

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007H9

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV 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

with type designation(s)
PEL 9.7

Issued to

Hatecke GmbH
Drochtersen, Niedersachsen, Germany

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

Regulation (EU) 2021/1158,

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

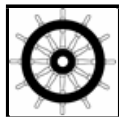
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-10-05**.

Issued at **Hamburg** on **2021-10-06**

DNV local station:
Hamburg – CMC North/East

Approval Engineer:
Michael Oberländer



Notified Body
No.: **0098**

for DNV SE

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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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 PEL 9.7 is a davit launched, partially enclosed lifeboat for use on passenger ships for max. 150 persons.

Materials: (for details see "Material Specification for boat type PEL9.7 of the manufacturer)

Hull material: Glass fibre reinforced polyester (GRP)
Buoyant material: Polyurethane hard foam

Dimensions (hull moulded): L: 9.69 m B: 4.17 m H: 1.68 m
(over all): L: 9.85 m B: 4.25 m H: 3.40 m

Max. number of

Persons (75 kg each): 150

Propulsion system: Single inboard engine

Engine Manufacturer:	Engine Type:	Engine Power:	Bollard Pull
BUKH A/S	DV29 RME	21.3 kW	3.6 kN
NANNI	N3.30KC	21.3 kW	3.6 kN

Weight (fully equipped): max. 5.400 kg

Max. launching weight (fully manned): 16.650 kg (with 150 persons)

Release hook: Hatecke, DUPLEX 10.0 (SWL 9.75 t) approved with MEDB0000401

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.

Type Examination documentation

This approval is based on previous MED-B Certificate 400.100 issued by Notified Body BG-Verkehr on 2015-09-29.

Basis for approval:

Technical documentation as listed in LIS-PEL9.7-0-Drawing list DNV-Rev.1	2021-10-08
Material Specification SPC-PEL97-0-Material specification GRP-Rev.0.docx	2021-06-02

Main drawings:

General Arrangement Plan PEL9.7-000-0GPP9701	2015-09-25
GRP-Plan I (longitudinal sections) PGPP9701	1999-03-24
GRP-Plan I (cross sections) PGPP9702	1999-03-24
GRP-Plan III (hull) PGPP9703/1	1999-09-29
GRP-Plan III (canopy) PGPP9703/1	1999-09-29
GRP-Plan III (frames, hull inner structure) PGPP9703/2	1999-09-28
GRP-Plan IV (assembly – foaming) PGPP9714	1999-12-29
Seating Arrangement PGPP9704	1999-04-26
Foundation for hoisting hook Duplex 10.0 PGPP9718	2014-07-28
Operation mechanism & Interlock for release gear DUPLEX 10.0 PGPP9723_1	2014-04-24

Prototype test reports (acc. to MSC/Circ.980, witnessed by German Administration SBG / BG-Verkehr)

Report. No.	Dated
PTC-PEL97-2000-01	2000-06-07

PTC-PEL97-2009-01	2009-05-06
PTC-PEL97-2015-01	2015-07-06
PTC-PEL97-2015-02	2015—09-25
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.

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. 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.