

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007XV

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

with type designation(s)
PEL7.6M

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**

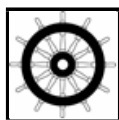
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-03-27**.

Issued at **Hamburg** on **2023-03-28**

DNV local unit:
Hamburg – CMC North/East

Approval Engineer:
Michael Oberländer



Notified Body
No.: **0098**

for **DNV GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

PEL 7.6M is a partially enclosed passenger ship lifeboat with rescue boat functionality designed for max. 62 persons.

Length over all:	7.76 m
Length hull:	7.61 m
Beam over all:	2.81 m
Beam hull:	2.68 m
Depth:	1.07m
Height:	3.16 m

Weight of boat, fully equipped:	2900 kg
Weight of boat, fully manned:	7550 kg

Release system manufacturer:	Hatecke (MEDB0000199 Rev.2)
Release system type, SWL:	Duplex 6.0, SWL 5.8 t

Hull material:	GRP
Buoyant material:	Polyurethane rigid foam system

Propulsion system:	Single inboard diesel engine
Engine manufacturer and type:	(1) NANNI type N3.30 KC, 21.7 kW or (2) BUKH A/S DV24RME 17.6 kW

Bollard pull:	4.0 kN (1) or 3.5 kN (2)
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Application/Limitation

This certificate replaces the previous MED-B certificate 400.111 issued by BG-Verkehr.

Maximum number of persons:	62 (lifeboat) / 6 (rescue boat)
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Maximum load of 62 persons with 75 kg/person (lifeboat):	7550 kg
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The lifeboat is in compliance with LSA Code 4.5 "Partially enclosed lifeboats" and is not suitable for use on SOLAS cargo ships.

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 International Life-Saving Appliances (LSA) Code, 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 as amended.

Type Examination documentation

Technical documentation as listed in LIS-PEL76M-0-Drawing list DNV-Rev.0	2021-12-03
Material Specification (GRP) SPC-PEL76M-0-Material Specification GRP	2021-12-03

Main drawings:

General Arrangement Plan PEL76M-000-0	2015-10-22
General Arrangement I PEL76M02	2001-05-17
GRP-Plan I PELM7601	2001-08-29
GRP-Plan II PELM7602 Rev.1	2001-12-13

GRP-Plan III PELM7603	2001-09-03
GRP-Plan IV PELM7604	2001-09-04
Operation System for Release Gear (Duplex 6.0) PGLC8423	2014-12-11
Forward Hoisting Hook (Duplex 6.0) PGLC8419	2014-12-01
Aft Hoisting Hook (Duplex 6.0) PGLC8418	2014-12-01
Manual for Operation, Training & Maintenance MAN-PEL...M/C-0-Manual	2018-10-22

Prototype test reports:

Report. No.	Dated
PTC-PEL76M-2001-01	2002-01-10
PTC-PEL76M-2015-01	2015-11-10
PTC-PEL76M-2015-02	2015-11-24
Fire testing of lifeboat laminate acc. to IMO MSC/Circ. 1006, SINTEF, Trondheim, NOR 102010.80/10.086	2010-11-08
Fire test report STB-1529-1987	1987-05-12

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 manufacture, type designation, dimensions and date of manufacture, according to LSA code item 4.4.1.2 and MED Mark of Conformity (see page 1).