

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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: Davit-launched lifeboats: partially enclosed

with type designation(s)

Davit launched, partially enclosed lifeboat PEL 150 / PEL 150R, optional with rescue boat function

Issued to

Hatecke GmbH
Drochtersen Niedersachsen, Germany

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

Regulation **(EU) 2017/306,**

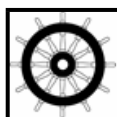
item No. MED/1.17a. SOLAS 74 as amended, Regulation III/4, III/21, III/31, III/34 & X/3, LSA Code, IMO MSC/Circ. 1006 & 1423, and 2000 HSC Code 8

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

This Certificate is valid until **2022-05-18**.

Issued at **Hamburg** on **2017-05-19**

DNV GL local station:
Hamburg



for **DNV GL SE**

Approval Engineer:
Michael Oberländer

Notified Body
No.: **0098**

Sven Dudszus
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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

The lifeboat PEL 150 is a davit launched, partially enclosed lifeboat for max. 150 persons for use on passenger ships. The version PEL 150R fulfils also the functionality of a rigid rescue boat in accordance with LSA Code 5.1 (6 persons when used as a rescue boat).

Dimension LxBxH:	8.20 m x 4.65 m x 3.69 m
Weight (fully equipped):	max. 5750 kg
Weight (fully manned):	max. 17000 kg (with 150 persons / 75 kg each)
Hull material:	Glass fibre reinforced polyester (GRP)
Buoyant material:	Polyurethane rigid foam
Propulsion system:	Nanni Typ N3.30 KC with 21.3 kW Nanni Typ N4.50 KC with 36.8 KW Bukh Typ DV29RME with 21.3 KW
Bollard pull:	3.20 kN (N3.30 KC) 6.25 kN (N4.50 KC) 4.70 kN (DV29RME)
Release hook:	Hatecke, DUPLEX 10.0 (SWL = 9.5 t), MED Certificate No. 11517-14 HH
Max. number of persons:	150 (as lifeboat) / 6 (as rescue boat)

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

Drawings approved with reference: 14-042298, 14-069208 and 15-006271

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/Circ.980 witnessed by DNVGL Hamburg, Test protocol PEL 150 & PEL 150R completed 2015-01-19, reference: 15-006271

Material tests acc. to MSC/Circ.1006 at Norwegian Fire Research Laboratory SINTEF NBL as, Trondheim, Revised Test Report 102010.80/10.086 Rev.1 dated 2010-11-08

Marking of product

The product is to be ineditibly marked with name and address of the manufacturer, type designation, batch or serial number or other elements allowing their identification. The markings shall comply with the LSA Code (IMO Res. MSC.48(66)) 4.4.1.2 and 4.4.9.



Job Id: **344.1-007001-2**
Certificate No: **MEDB00002SJ**