

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)
PL 9.7

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

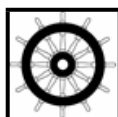
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-04-08**.

Issued at **Hamburg** on **2018-04-09**

DNV GL local station:
Hamburg

Approval Engineer:
Michael Oberländer



Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Dimension (molded) LxBxH:	9.68 m x 4.18 m x 1,50 m
Weight (fully equipped):	max. 7950 kg
Weight (fully manned):	max. 19200 kg (with 150 persons / 75 kg each)
Hull material:	Glass fibre reinforced polyester (GRP)
Buoyant material:	Polyurethane foam
Propulsion system:	2 x Nanni Typ N4.60 with gearbox TM345 with 44.2 kW each
Bollard pull:	10.0 kN (4.9 kN with one engine)
Release hook:	Hatecke, DUPLEX 10.0 (SWL = 9.75 t)
Max. number of Persons (75 kg each):	150

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

Drawings approved in accordance with drawing list LIS PL97-0 dated 2017-11-30
General arrangement PL 9.7 PL97-000 Rev.2 dated 2018-03-07

A lighter version of this lifeboat type, with a max. launching weight of 18380 kg was certified by BG-Verkehr with MED-B Certificate 400.134 on 2015-05-13.

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: PTC-PL97-06 dated 2018-03-06.

Seating space test with 150 persons, witnessed by German Administration SBG, dated 2006-12-06.



Job Id: **344.1-007707-1**
Certificate No: **MEDB00003K1**

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 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.