DNV·GL

Certificate No:
MEDB000052T

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 11.0

Issued to
Hatecke GmbH
Drochtersen, Niedersachsen, Germany

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773,**
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 **2024-02-24**.

Issued at **Hamburg** on **2019-02-25**

DNV GL local station:
Hamburg

Approval Engineer:
Peter Zell

Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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Product description

The lifeboat PL 11.0 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. 120 persons.

Dimensions (hull moulded): L: 11.01 m B: 4.43 m H: 3.65 m D: 1.49 m

Max. number of
Persons (75 kg each): 150 (as lifeboat) / 120 (as tender boat)

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**	
			portside engine	**with both engines**
STEYR	MO164M40	2x 120.0 kW	13.0 kN	20.0 kN
STEYR	SE236E40	2x 231.0 kW	15.0 kN	29.0 kN
NANNI/KUBOTA	N4.115	2x 84.6 kW	10.0 kN	19.8 kN
NANNI/KUBOTA	N4.140	2x 99.4 kW	11.0 kN	19.0 kN

Weight (fully equipped): max. 11,150 kg

Weight (fully manned): max. 22,400 kg (as lifeboat with 150 persons)
max. 20,150 kg (as tender boat with 120 persons)

Release hook: Hatecke, DUPLEX 12.0 (SWL 12.0 t)

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 PL11-0 dated 2019-01-25
General arrangement PL11-0000-000 Rev.2 dated 2018-04-18
Technical specification SPC-PL11-0 Rev.1 dated 2019-02-22

A previous version of this lifeboat type was certified by BG-Verkehr with MED-B Certificate 400.156 on 2015-10-31.

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 satisfactory performed, witnessed by German Administration SBG, and documented in Evaluation and test report: PTC-PL11-01-2010 dated 2010-01-18.
For alternative engines tests in accordance with MSC/Circ.980 satisfactory performed, witnessed by German Administration BG-Verkehr and documented in Evaluation and test reports as follows:
"STEYR SE236E40" = PTC-PL11-01-2014 dated 2014-12-11 and PTC-PL11-02-2014 dated 2014-12-16,
"NANNI N4.115" = PTC-PL11-01-2016 dated 2016-02-22, and
"NANNI N4.140" = PTC-PL11-01-2018 dated 2018-04-18.

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.