

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/totally enclosed

with type designation(s)

PLL 1099 (Passenger Launch and Lifeboat)

Issued to

Fr. Fassmer GmbH & Co. KG
Berne/Motzen, Germany

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

Regulation **(EU) 2015/559,**

Annex A.1, item No. A.1/1.17a and Annex B, Module B in the Directive; 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

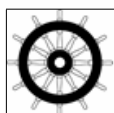
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2020-09-15**.

Issued at **Hamburg** on **2016-10-24**

DNV GL local station:
Bremerhaven

Approval Engineer:
Roland Priebe



Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Job Id: **344.1-006220-1**
Certificate No: **MEDB00001X5**

Product description

Partly enclosed lifeboat: PLL 1099 (Passenger Launch and Lifeboat)

Length hull:	10,99 m
Length over all, including fender:	11,20 m
Beam hull:	4,40 m
Beam over all, including fender:	5,00 m
Height:	3,80 m

Release mechanism: Duplex 140E2, DNV-cert. no. MED-B-8220, SWL 14 t
Hull material: GRP

Engine type: 2 x Bukh-Steyr 144 hp each / Bollard pull: 25.5 kN
or 2 x Bukh-Steyr 164 hp each / Bollard pull: 24.0 kN

Application/Limitation

Max. number of persons (75 kg each) 150

The lifeboat is designed and limited for the use on passenger ships only.

If this lifeboat is installed on ships with keellaying date after 2012-05-21, MSC.1/Circ.1423 (lifeboat exterior colour) is to be observed.

The design assessment is based on IMO Res. MSC.48(66) as amended by IMO Res. 218(82) and IMO Res. MSC.320(98).

Production and installation testing shall be carried out according to IMO Res. MSC.81(70), part 2, for each life boat.

Type Examination documentation

The submitted drawings have been verified/approved with reference 10-020591 and 11-101075

The prototype tests in accordance with MSC/Circ.980 have been witnessed by GL Bremerhaven 2010-06-25 (Ref. 10-108179) and 2011-03-16, test no.: 07/9/8796

Material tests acc. MSC/Circ. 1006: SINTEF, 2004-11-03 and 2007-10-31

Tests carried out

The product has been tested in accordance with the Revised Recommendation on Testing of Life-Saving Appliances, IMO Res. MSC.81(70) part 1, as amended by IMO Res. MSC.226(82), IMO Res. MSC.274(85), IMO Res. MSC.323(89) and IMO Res. MSC.321(89).

Marking of product

The lifeboat shall be indelibly marked with name of manufacturer, type designation, dimensions and date of manufacture in accordance with LSA code 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 4.4.9.