

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00008F1

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

that the Lifeboats: Free-fall lifeboats

with type designation(s)

GFF 7.4C / GFF 7.4 C20 / GFF 7.4 C-T / GFF 7.4 C20-T

issued to

Hatecke GmbH

Drochtersen, Niedersachsen, Germany

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

Regulation (EU) 2024/1975,

item No. MED/1.17b. SOLAS 74 as amended, Regulation III/4, III/21, III/31, III/34 & X/3, LSA Code, IMO Res.

MSC.481(102), IMO MSC.1/Circ.1423, IMO MSC.1/Circ.1630 Rev.2, IMO MSC/Circ.1006 and 2000 HSC Code 8

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

This Certificate is valid until **2029-11-03**.

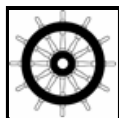
Issued at **Hamburg** on **2024-11-04**

DNV local unit:

Hamburg – CMC North/East

Approval Engineer:

Michael Oberländer



Notified Body
No.: **0098**

for **DNV SE**

Mydlak-Röder, Christine
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

GFF7.4C / GFF7.4C-T for 36 persons and GFF7.4C20 / GFF7.4C20-T for 33 persons are totally enclosed GRP free-fall lifeboats, available as a dry-cargo version (GFF7.4C and GFF7.4C20) and a tanker version (GFF7.4C-T / GFF7.4C20-T) with a self-contained air support system and special fire-protection (water-spray system).

Materials: (for details see SPC-GFF74C-0-Material specification GRP, dated 2023-04-03)

Hull material: Glass fibre Reinforced Plastic (GRP)

Buoyant material: Polyurethane hard foam

Length over all	7.45 m
Breadth over all:	2.84 m
Height over all:	3.29 m

GFF7.4C / GFF7.4C-T

Max. number of persons:	36
Weight of boat, fully equipped:	3800 kg / 4050 kg (cargo / tanker version)
Max. launching weight, fully manned (82.5 kg/person):	6770 kg / 7020 kg (cargo / tanker version)
Maximum free-fall certification height:	16.5 m

GFF7.4C-20 / GFF7.4C20-T

Max. number of persons:	33
Weight of boat, fully equipped:	3850 kg / 4100 kg (cargo / tanker version)
Max. launching weight, fully manned (82.5 kg/pers):	6572.5 kg / 6822.5 kg (cargo / tanker version)
Maximum free-fall certification height:	20.0 m

Release mechanism: Hatecke GFF-R8 (MEDB00001HX Rev.2)

Propulsion system: Single inboard diesel engine
Engine Manufacturer and type: Bukh A/S, DV24RME 21.3 kW (cargo) or DV36RME 26.5 kW (tanker) (MEDB00003FK Rev.2)

Bollard pull: 3.0 kN (DV24RME) / 3.2 kN (DV36RME)

Application/Limitation

Approved engine power: 17.6 kW / 26.5 kW

Maximum number of persons (82.5 kg/person):	33 (GFF7.4C20 and GFF7.4C20-T)
Maximum number of persons (82.5 kg/person):	36 (GFF7.4C and GFF7.4C-T)

Minimum launching ramp length:	8.058 m
Launching ramp angle:	35°
Heel angle:	20°

- Unless the free-fall lifeboat lashing can be released from inside, it shall be arranged to preclude boarding until it is removed.
- 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 IMO Res. MSC.48(66) as amended by IMO Res. MSC.207(81), IMO Res. MSC.218(82) and 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

This approval is replacing the previous MED-B Certificate 400.036 issued by Notified Body DGUV Test on 2014-12-15.

Basis for approval:

Technical documentation as listed in LIS-GFF74C-0-Drawing list DNV-REV.0	2023-04-04
--	------------

Main drawings:

General Arrangement I GFF7.4M (Cargo) GGF7.4M07	1992-12-08
General Arrangement I GFF7.4C-T (Tanker) GFF74M04	1995-05-16
General Arrangement Plan GFF7.4C20 (Cargo) GGF742C20-004	2015-11-30
General Arrangement Plan GFF7.4C20-T (Tanker) GGF74	2012-03-19
Seating Plan - 36 Persons PGFC74-011	2010-07-02
Seating Plan - 33 Persons PGFC74-021	2014-09-05
Lines Plan GFF-74M01	1992-11-12
Hoisting Arrangement GFF7.4M/C PGFM7-12 Rev.7	2015-12-08
Construction plan seat (480mm) GFF-C DBC-09	2010-01-25
Air Supply System Type ASS 3010 PGFM7-03	1995-05-14
Water Spray System PGFC7-02	1995-05-04
GRP-Plan II (CFH=20m) PGFM7-07	2005-07-27
GRP-Plan III (canopy) (CFH=20m) PGFM7-06	2005-08-16
GRP-Plan IV (hull) (CFH=20m) PGFM7-05 Rev.1	2005-08-31
GRP-Plan V (assembly / foaming) (CFH=20m) PCFM7-07-1	2005-08-16
GRP-Plan I GFF7.4 04	1994-02-15
GRP-Plan II GFF 7.4M-03e	1994-02-18
GRP-Plan III (canopy) GFF 7.4M-02e01	1994-02-23
GRP-Plan IV (hull) GFF 7.4M-02e02	1994-02-22
Manual for operation, maintenance and training MAN-GFF-C-0-Manual Rev.7	2023-01-27

Prototype test reports:

Report. No.	Dated
PTC-GFF74M-1994-01	1994-06-24
PTC-GFF74M-T-1996-01	1996-02-26
PTC-GFF74M-2005-01	2005-10-06
PTC-GFF74C-2010-01	2010-12-14
Acceleration Test Report for GFF7.4M 13-S-94	1994-07-10
Acceleration Test Report for GFF7.4MII CENG-2005-02	2005-05-15
Acceleration Test Report for GFF7.4M CENG-2005-05	2005-10-05
Fire testing of lifeboat laminate acc. to IMO MSC/Circ. 1006, SINTEF, Trondheim, Norway 102010.80/10.086 Rev.1	2010-11-08
Fire Test STB-1529-1987 witnessed by Germanischer Lloyd	1987-05-12

Tests carried out

Tests are documented 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.323(89) and IMO MSC/Circ.1006.

Marking of product

The product is to be indelibly marked with name and address of manufacturer, boat model and serial number, month and year of manufacture, number of persons approved for and operational restrictions, if any, according to LSA code item 4.4.1.2 and the mark of conformity (see page 1).

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.

List of lifeboat equipment to be posted inside the boat.