

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the Fast rescue boats: rigid

with type designation(s)
MARE GTC 900-2VD

Issued to

MARE SAFETY AS
ULSTEINVIK, Norway

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773**,
item No. MED/1.20b. SOLAS 74 as amended, Regulation III/4, III/26, III/34, LSA Code and
IMO MSC/Circ.1006, 1016 & 1094

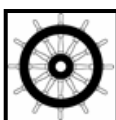
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-05-28**.

Issued at **Høvik** on **2019-05-29**

DNV GL local station:
Ulsteinvik

Approval Engineer:
Jasna Jovovic-Lainis



Notified Body
No.: **0575**

for **DNV GL AS**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"MARE GTC 900 2VD"

a rigid fast rescue boat with single point lifting hook and inflatable bag for re-righting after capsized.

Length over all, hull, max:	7.76 m
Length over all, w/water jet:	8.87 m
Draught:	0.60 m
Beam overall, including fenders, Bmax:	3.30 m
Weight of boat, fully equipped:	3786 kg
Weight of boat, fully manned (82.5 kg/person):	4975 kg
Hook manufacturer and type:	HMK 5.0/8.0/12.0, NORHMK 5, off-load
Lifting arrangement max. WL:	4975 kg
Hull material:	Aluminium
Propulsion system:	Inboard engine with waterjet
Engine manufacturer and type:	2 x Yanmar 4LH-DTP 2 x Yanmar 4LHA-STP 2 x Steyr 236
Waterjet type:	2 x Alamarin 230 2 x Alamarin 245 2 x Hamilton 213 2 x Hamilton 274 2 x Ultrajet 251 2 x Ultrajet 203
Bollard pull:	2 x 170 kW engine – 11.0 kN 2 x 177 kW engine – 11.7 kN

Application/Limitation

Approved engine power, max:	(Yanmar 4LH-DTP) 2 x 132 kW (Yanmar 4LHA-STP) 2 x 177 kW (Steyr 236) 2 x 170 kW
Number of persons, max:	10
Maximum load of persons (82.5 kg/person):	825 kg

- Fast rescue boat 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 fast rescue boat is fitted with a release hook without on-load release capabilities, in accordance with LSA Code 4.4.7.6.17. Hence, if it is to be combined with launching appliances with permanent high speed tensioning device (LSA Code 6.1.7.3), compatibility must be assured.
- The normal equipment of the fast rescue boat to include a hands-free and watertight VHF radiocommunication set, in addition to the ones required on the bridge.
- 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) as amended, Part 2.

Type Examination documentation

Job Id: **344.1-000939-34**
Certificate No: **MEDB0000533**

File "Dokumentasjon MOB båt GTC 900", rev.0, dated	2003-10-23
Drawings as per approval letter dated	2005-05-26, 2005-11-24, 2007-02-01, 2009-06-03
Prototype test reports witnessed by DNV and dated	2004-01-06, 2004-01-21, 2004-01-23, 2005-01-28, 2005-11-18, 2011-05-06, 2019-05-20, 2019-05-24
Drawing No.BA-1094 (Rev.E) - Lifting frame	2014-01-28
Drawing No. MS-2013-03 (Rev.0) – Strength analysis of hull with integrated lifting frame	2013-22-09

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.321(89) and IMO Res. MSC.323(89).

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 manufacturer, 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).

List of fast rescue boat equipment to be posted in the boat.