DNV·GL

Certificate No:
MEDB00003G0

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)
ALUSAFE 900 MKII

Issued to
Maritime Partner AS
ÅLESUND, Norway

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306,**
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 **2023-01-20**.

Issued at **Høvik** on **2018-01-21**

DNV GL local station:
Ålesund

Approval Engineer:
Helge Bjørnarå

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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Job Id: **344.1-002669-4**
Certificate No: **MEDB00003G0**

Product description

Alusafe 900 MKII, rigid fast rescue boat with single point lifting hook and inflatable bag for re-righting after capsize.

Length:	8.16 m
Breadth:	2.94 m
Depth:	0.70 m
Weight of boat, fully equipped:	3208 kg
Max weight of boat, fully manned (82.5 kg/person):	4200 kg
Hook manufacturer and type:	HMK 5, offload
Lifting frame SWL:	4200 kg
Hull material:	Aluminium
Propulsion system:	Inboard engine w/ waterjet
Engine manufacturer and types:	Volvo Penta D6-330 Volvo Penta D6-370 Volvo Penta D6-435 Yanmar 6LYA-STP
Waterjet type:	Hamilton HJ274
Bollard pull, measured for 272kW engine:	9.6 kN

Application/Limitation

Approved engine power:	243 kW for Volvo Penta D6-330 272 kW for Volvo Penta D6-370 320 kW for Volvo Penta D6-435 272 kW for Yanmar 6LYA-STP
Max number of persons:	10
Max 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 4.4.7.6.9. 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 radio communication 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

Basis for approval:

Application form	2010-06-24
Drawings (as applicable) stamped "Type Examined"	2010-03-04
Prototype test report witnessed by DNV	2010-11-18
Surveyor's checklist	2010-11-18
Prototype test report witnessed by DNV	2013-08-16~19
Dwg. No. 70011-001. Rev. C, Lifting frame Norsok ST MB Boats, E01-080	2013-10-06

Doc. No. MP-2013-02. Rev. 1, Strength analysis of lifting frame 2014-01-17

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.