DNV·GL

Certificate No:
MEDB0000689

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: (b) rigid

with type designation(s)
Weedo 700 MkII

Issued to
Maritime Partner AS
ÅLESUND, Norway

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397,**
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 **2025-02-26**.
Issued at **Høvik** on **2020-02-27**

DNV GL local station:
Norway CMC, Mid-North

Approval Engineer:
Jasna Jovovic-Lainis

Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body

NORWEGIAN ACCREDITATION PROD 019

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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: **344.1-000578-105**
Certificate No: **MEDB0000689**

Product description

"Weedo 700 MkII", rigid fast rescue boat with single point lifting hook.

Length:	7.27 m
Breadth:	2.51 m
Depth:	0.44 m
Weight of boat, fully equipped with engine:	1780-2075 kg
Weight of boat, fully manned (82.5 kg/person):	3017-3312 kg
Hook manufacturer and type:	HMK 3.5, offload
Hook SWL:	3500 kg
Hull material:	GRP
Propulsion system:	Inboard engine w/ waterjet
Engine manufacturer and type:	Yanmar 4LHA-STP (1) Volvo D3-190 (2)
Waterjet types:	Vosper PP90
Bollard pull:	4.9 kN (1)

Material specification:

Material:	Type:	Manufacturer:
Polyester resin	NORPOL 820-M870	Reichhold
Gelcoat/Topcoat	NORPOL MT	Reichhold
Glass fiber mats	CSM300, CSM600	Ahlstrom Glassfibre Oy
Glass fiber woven roving	DBL800	Devold AMT AS
Buoyant material	Rigid Polyurethane Foam	Baxenden Chemicals Ltd.

Application/Limitation

Approved engine power:	163 kW (1) 134 kW (2)
Number of persons, max:	15
Maximum load of persons (82.5 kg/person):	1237 kg
Approved colour:	Orange

The fast rescue boat equipment and marking/instructions to be inspected after installation on board 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), part 2 as amended.

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Type Examination documentation

Basis for approval:

- Maritime Partner technical file "MED Type approval Weedo 700 FRB"	
- Prototype tests reports witnessed by DNV	2003-10-28
- Prototype tests reports witnessed by DNV	2003-11-11
- Drawings as specified in DNV approval letter	2004-07-20
- Material strength test report 5550/04007 by Møreforsking	2004-04-29
- Material fire-test report 1021010.90/02.182 by SINTEF	2002-08-22
- Material fire-test report 1021010.80/04.021 by SINTEF	2004-02-18
Updated seating arrangement:	
- Updated seating arrangement plan	2010-07-09
Additional documentation for new lifting frame:	
- Doc. No. MP-2013-02, Rev.0, Strength analysis of lifting frame	2013-09-25
- Dwg. No. E01-080, Rev.A, Lifting Frame NORSOK 5T MP Boats	2013-09-11
- Dwg. No. E01-081, Rev.A, Lifting Plate Weedo 600/700	2013-09-11
- Dwg. No. E01-030-01, Rev.7, Weedo 700 FRB Construction Hull	2013-12-03
- Load test IMO Res. MSC.81(70), Part 2, 5.3.4 (YN 1942)	2014-09-28

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) 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 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.