

EC-TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:**That the Fast rescue boats**with type designation(s)
MP 800 Springer

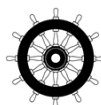
Issued to

Nils S. Hansen Mek. Verksted AS
HARØY, Norway

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

Annex A.1, item No. A.1/1.20 and Annex B, Module B in the Directive. SOLAS 1974 as amended, Reg. III/4 & III/34. IMO Res.MSC.48(66) as amended.

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

Høvik, 2015-11-16
for **DNV GL AS**This Certificate is valid until
2020-11-15Notified Body No.: **0575**-----
Vidar Dolonen
Head of DepartmentDNV GL local office:
Ålesund-----
Helge Bjørnara
Surveyor

Job Id: **344.1-000606-43**
Certificate No: **MEDB00000BD**

Product description

MP 800 Springer, rigid fast rescue boat with single point lifting hook and inflatable bag for re-righting after capsize.

Length:	8.00 m
Breadth:	2.72 m
Depth (moulded, amidships):	0.59 m
Weight of boat, fully equipped with engine:	2000 - 2855 kg
Max weight of boat, fully manned (82.5 kg):	3645 kg

Hook manufacturer and type:	HMK 3.5 or HMK 5.0, off-load
Hook SWL	3500 or 5000 kg
Hull material:	Aluminium

Propulsion system:	Inboard engine w/ waterjet
Engine manufacturer and type:	Yanmar 4LHA-STP Yanmar 6LYA-STP Volvo Penta D3-170 Volvo Penta D3-200 Volvo Penta D3-220 Volvo Penta D4-225 Volvo Penta D4-260 Volvo Penta D6-330 Volvo Penta D6-370

Waterjet types:	Vosper PP90 Hamilton 213 Hamilton 274
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Bollard pull (measured for 170 kW engine):	5.9 kN
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Application/Limitation

Approved engine power:	177 kW for Yanmar 4LHA-STP 272 kW for Yanmar 6LYA-STP 125 kW for Volvo Penta D3-170 147 kW for Volvo Penta D3-200 162 kW for Volvo Penta D3-220 165 kW for Volvo Penta D4-225 191 kW for Volvo Penta D4-260 243 kW for Volvo Penta D6-330 272 kW for Volvo Penta D6-370
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Number of persons, max (light engines (4LHA, D3 and D4)):	15*
Number of persons, max (heavy engines (6LYA and D6)):	12*
Maximum load of persons 82.5 kg (12-15 persons):	990-1237 kg

* max weight of boat, fully manned may not be exceeded (3645 kg), i.e. weight of boat, fully equipped with light engine s may not exceed 2407 kg for 15 persons and weight of boat, fully equipped with heavy engines may not exceed 2655 kg for 12 persons.

- 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), Part 2.

Type Examination documentation

Basis for approval:

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| - Sales spec. for Rescue Boat, MP-Design Type MP 800 Springer, no 971020 | |
| - Prototype test reports approved by NMD | 1999-03-26 |
| - Letter of type approval from NMD | 1999-04-16 |
| - List of drawings for MP-741 Springer | 2000-07-10 |
| - Technical documentation | 2000-10-10 |

Updated seating plan:

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| - Seating space test | 2008-07-18 |
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Additional documentation for new lifting frame:

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| - Doc. No. MP-2013-02, Rev.0, Strength analysis of lifting frame | 2013-09-25 |
| - Doc. No. MP-2013-06, Rev.0, Strength analysis of offshore lifting of FRB hull and attachment | 2013-11-01 |
| - Dwg. No. E01-080, Rev.A, Lifting Frame NORSOK 5T MP Boats | 2013-09-13 |
| - Dwg. No. 741.002, Rev.A, 741 Springer Construction Plan | 2013-09-12 |

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

Marking of product

The product is to be indelibly marked with name of manufacturer, type designation, dimensions and date of manufacture, according to LSA code item 4.4.1.2 and the mark of conformity. In addition, the manufacturer shall affix the Mark of Conformity followed by DNV Notified Body No. and the two last digits of the production year.

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

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.