

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB0000754

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 AS under the authority of the Government of Norway.

This is to certify:

That the Fast rescue boats: (b) rigid

with type designation(s)
Seabear 23 MK IV

Issued to

Maritime Partner AS
ÅLESUND, Norway

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

Regulation (EU) 2020/1170,

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 **2026-05-04**.

Issued at **Høvik** on **2021-05-05**

DNV local station:
Norway Newbuilding

Approval Engineer:
Helge Bjørnara



Notified Body
No.: **0575**

for **DNV AS**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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

"Seabear 23 MK IV", rigid fast rescue boat with single point lifting hook and inflatable bag for re-righting after capsizing.

Length:	6.73 m
Breadth:	2.74 m
Depth:	0.45 m
Weight of boat, fully equipped:	2833 kg
Weight of boat, fully manned:	3658 kg
Hook manufacturer and type:	H. Henriksen / HMKRH 3.5, offload
Lifting arrangement SWL:	3200 kg
Hull material:	Aluminium
Propulsion system:	Inboard engine w/ waterjet
Engine manufacturer and type:	Yanmar 6LPA-STP2
Waterjet types:	Hamilton 241
Bollard pull:	7.2 kN (with turbo impeller) 9.2 kN

Application/Limitation

Approved engine power:	232 kW
Number of persons, max:	10
Maximum load of persons (82.5 kg/person):	825 kg
Approved colour:	Yellow

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.

Type Examination documentation

Title	Doc. No.	Rev.
General		
Technical Specification	B01-024-17B	B
Prototype test witnessed by DNV dated 1 March 2021	IMO MSC.1/Circ.1631	
Liferaft towing test witnessed by DNV dated 19 April 2021	IMO MSC.1/Circ.1631	
List of equipment		
Structural construction of the hull		
Hull structural	SB23-MKIV-001	A
Watertight compartment	SB23-MKIV-003	A
Hook/release mechanism		
Lifting frame	SB23-MKIV-030	A
Lifting hook assembly	SB23-MKIV-008	A
General arrangement plans		
General arrangement	CO2-247-04	C

Main assembly	SB23-MKIV-000	A
Bilge and Drain system	SB23-MKIV-012	A
Lifelines and marking	SB23-MKIV-041	A
Overboard connections	SB23-MKIV-001	A
Lines plan	SB23-MKIV-042	A
Seating arrangement		
Seating arrangement	SB23-MKIV-004	A
Machinery arrangement		
Fuel system	SB23-MKIV-011	A
Sea water cooling	SB23-MKIV-013	A
Exhaust system	SB23-MKIV-014	A
Helmsman's instruments	SB23-MKIV-006	A
Propulsion and steering arrangement	SB23-MKIV-006	A
Engine air intake	SB23-MKIV-002	0
Fuel oil tank	SB23-MKIV-019	A
Filling detail	SB23-MKIV-020	A
Electricity		
Single line diagram	F01-053	E
Power consumption calculations	8450-ISE-05	1
Calculations/test reports		
Watertight compartment	SB23-MKIV-003	A
Lifting frame calculation	Calc report-SB23-MKIV-Lifting frame.doc	0
Fire test IMO MSC/Circ.1006 from SINTEF, Norway	102010.80/04.021	

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 manufacture, number of persons approved for and operational restrictions, if any, according to LSA code item 4.4.1.2 and the MED Mark of Conformity (see page 1).

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