

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00008YX

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 Lifeboat/rescue boat propulsion engine

with type designation(s)
Mercury Diesel 3.0L V6

issued to

Brunswick Marine in EMEA LLC
VERVIERS, LIÉGE, Belgium

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

Regulation **(EU) 2025/1533**,

item No. MED/1.36. SOLAS 74 as amended, Regulation III/4, III/34 & X/3 and LSA Code V and IMO MSC.1/Circ.1630 Rev.2

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

This Certificate is valid until **2031-03-11**.

Issued at **Høvik** on **2026-03-12**

DNV local unit:
Belgium CMC

Approval Engineer:
Dag Harald Williksen



Notified Body
No.: **0575**

for **DNV AS**

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Mydlak-Röder, Christine
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

4-stroke, water cooled, inboard diesel engines

Cylinder bore: 83 mm
Piston stroke: 92 mm
No. of cylinders: 6 In-V

Engine model	MD 3.0L V6
Rating, (kW)	169-199
Corresponding speed (rpm)	4200

Application/Limitation

The engines are approved for use as propulsion engine for life/rescue boats.

Type Examination documentation

Drawing No.	Description
v3-diesel_v6_bravo	Sectional drawing MD 3.0 for Sterndrive installation
v3-Diesel_v6_45c_ZF-DS, rev.A	MD 3.0L V6 Engine drawing with ZF-45C transmission
v3-Diesel_v6_63_ZF-DS, rev.A	MD 3.0L V6 Engine drawing with ZF-63 transmission
v3-Diesel_v6_63a_ZF-DS, rev.A	MD 3.0L V6 Engine drawing with ZF-63a transmission
V3-Diesel_v6_68iv_ZF-DS, rev.	MD 3.0L V6 Engine drawing with ZF-68 IV transmission
90-8M0117074	MD 3.0 Sterndrive installation manual
90-8M0117073	MD 3.0 Inboard installation manual
90-8M0117072	MD 3.0 Inboard User Manual
90-8M0117071	MD 3.0 Sterndrive User Manual
8M0149884	MD 3.0 Brochure/Datasheet
	MD 3.0 Option Overview
90-8M0137766	Parts Manual MD 3.0 inboard version

Tests carried out

Passed the tests required in IMO Resolution A.689 (17) as amended by IMO Resolution MSC.81(70) with reference to MSC.1/Circ.1630 for rescue boat propulsion inboard engine as follows:

LSA Code 4.4.6.2; MSC 81(70) 1/6.10.2 – 6.10.4
LSA Code 4.4.6.3; MSC 81(70) 1/6.10.5
LSA Code 4.4.6.4; MSC 81(70) 1/6.10.6
LSA Code 4.6.4.2; MSC 81(70) 1/6.14.6 – 6.14.

Tests were carried out and reported as follows:
DNV GL test report A0545953-2 for MD 3.0L V6 dated 2018-12-12

Marking of product

The product is to be indelibly marked with name, address of manufacturer and type designation. The Mark of Conformity (wheel-mark) can be affixed when the conditions on page 1 have been met.

END OF CERTIFICATE