

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:  
**MEDB0000C4B**  
Revision no.:  
**0**

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)  
**M4.15 / M4.17 / M4.55**

issued to

**Vetus B.V.**  
**Havenstraat 11 3115 HC Schiedam Netherlands,**

is found to comply with the Implementing Regulation (EU) 2025/1533 for  
Item no. **MED/1.36** (Row **1 of 1**)  
according to the following requirements:

**SOLAS 74 Reg. III/34, IMO Res. MSC.48(66)-(LSA Code) IV, IMO Res. MSC.48(66)-(LSA Code) V, IMO  
MSC.1/Circ.1630/Rev.2, SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3**

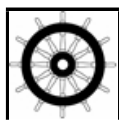
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2026-04-21**

Expiry date: **2031-04-20**

DNV local unit:  
**Netherlands CMC**

Approval Engineer:  
**Dag Harald Williksen**



Notified Body  
no.: **0575**

for **DNV AS**

.....  
**Christine Mydlak-Röder**  
**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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 USD 300 000.

## Product description

4-stroke, water cooled, inboard engines

Cylinder bore: 78 mm  
Piston stroke: 92 mm  
No. of cylinders: 4 In-line

Power @ speed, Details:

M4.15: 23,6 kW @ 3000 rpm, Electric starter 12V - 1,7kW (31B66-10100), Alternator 12V-110A (STM9292)  
Gearboxes: TMC40-2.R, TMC60-2/2,5/2,94R, ZF12M-2,14/2,63R, TMC60A-2/2,5R  
M4.17: 30 kW @ 3000 rpm, Electric starter 12V - 1,7kW (31B66-10100), Alternator - 12V-110A (STM9292)  
Gearboxes: TMC60-2/2,5/2,94R, ZF12M-2,14/2,63R, TMCA-2/2,5R  
M4.55: 37,1 kW @ 3000 rpm, Electric starter 12V - 1,7kW (31B66-10100), Alternator - 12V-110A (STM9292)  
Gearboxes: TM345(A)-2/2,47R, ZF12M-2.14R, ZF15MV-2,13/2,99R, TMC60-2/2.5/2,94R

## Application/Limitation

The engines are approved for use as propulsion engines for life/rescue boats. The M4.55 can be used in free-fall lifeboats.

## Type Examination documentation

### 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 lifeboat and rescue boat propulsion inboard engine as follows:

- 4.3.2.3 Cold start test, LSA Code 4.4.6.2; MSC.81(70) 1 /6.10.2 - 6.10.4
- 4.3.2.4 Engine-out-of-water test, LSA Code 4.4.6.3; MSC 81(70) 1/6.10.5
- 4.3.2.5 Submerged engine test, LSA Code 4.4.6.4; MSC.81(70) 1 /6.10.6
- 4.3.2.6 Engine inversion test, LSA Code 4.6.4.2; MSC.81(70) 1 /6.14.6 - 6.14.8

Tests carried out on the 2011-12-08/09\*, 2012-01-17\*\* and 2014-11-04\*\*\* at VETUS, Schiedam, with the following engines:

- \* M4.17, type K602A, serial no 172062 121818
- \*\* M4.55, type K122A, serial no 148532 125259
- \*\*\* M4.17, type A7074, K 122 SOMS, serial no 129591

### 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.