EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000C06
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)
3JH40, 4JH45 and 4JH57

issued to
Yanmar Marine International B.V.
Almere, **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: **2026-03-09**

Expiry date: **2031-03-08**

DNV local unit:
Environmental Technologies Air DE - Cost Centre

Approval Engineer:
Dag Harald Williksen

Notified Body no.: **0575**

for **DNV AS**

Christine Mydlak-Röder
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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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: 88 mm
Piston stroke: 90 mm
No. of cylinders: 3 or 4 In-line

Power @ speed, Technical details:
3JH40: 29,4 kW @3000 rpm, Electric starting 12V - 1.4 kW, Alternator - 12V - 125A
4JH45: 33,1 kW @ 3000 rpm, Electric starting 12V - 1.4 kW, Alternator - 12V - 125A
4JH57: 41,9 kW @ 3000 rpm, Electric starting 12V - 1.4 kW, Alternator - 12V - 125A

Application/Limitation

The engines are approved for use as propulsion engines for life/rescue boats except 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 2017-01-17 at Yanmar Marine International BV, with the following engine:

- 4JH57, serial no RCD 4JH57X1/E 10103

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