

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 GL AS under the authority of the Government of Norway.

This is to certify:

That the Rescue boat propulsion engine-outboard motor

with type designation(s)

F/FL/LF150 6HP/6HR, F/FL/LF175 6HS/6HT and F/FL/LF200 6DV/6DW

Issued to

**YAMAHA MOTOR DANMARK, FILIAL AF YAMAHA MOTOR
EUROPE N.V., HOLLAND
Odense SØ, Syddanmark, Denmark**

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

Regulation **(EU) 2020/1170,**

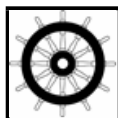
item No. MED/1.37. SOLAS 74 as amended, Regulation III/4, III/34 & X/3 and LSA Code

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

This Certificate is valid until **2025-12-10.**

Issued at **Høvik** on **2020-12-11**

DNV GL local station:
Denmark CMC



for **DNV GL AS**

Approval Engineer:
Dag Harald Williksen

Notified Body
No.: **0575**

Roald Vårheim
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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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 outboard engines

Cylinder bore: 96 mm
Piston stroke: 96,2 mm
No. of cylinders: 4 In-line

Engine model	Rating kW	Propeller RPM
F150 6HP FL150 6HR LF150 6HR	110.3 kW	6000
F175 6HS FL175 6HT LF175 6HT	128.7 kW	6000
F200 6DV FL200 6DW LF200 6DW	147,1 kW	6000

Application/Limitation

The engines are approved for use as propulsion engines for rescue boats

Type Examination documentation

Drawing No	Rev.	Title
MSC/Circ.980/Add.2	2020-11-26	Outboard engines for rescue boats - Evaluation and Test Report
6HP-28197-HW-11	LIT-18616-03-78	F(L)150G-F(L)175C-F(L)200G Service Manual
1U6DV-300FA	-	Parts Catalogue, F(L)200G
1U6HS-300FA	-	Parts Catalogue, F(L)175C
1U6HP-300FA	-	Parts Catalogue, F(L)150G

Tests carried out

Tests carried out according to MSC/Circ.980 on the 2020-11-26 with the following engines, all witnessed by DNVGL Frederica.:

- F150G, serial no 1004139
- F175C, serial no 1007240
- F200G, serial no 1015030

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