DNV·GL

Certificate No:
MEDB000063W

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(L)115B and F130A

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) 2019/1397,**
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 **2024-10-06**.

Issued at **Høvik** on **2019-10-07**

DNV GL local station:
Denmark CMC

Approval Engineer:
Dag Harald Williksen

Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Product description

4-stroke, water cooled outboard engines

Engine model	Rating kW	Propeller RPM
F(L)115B	84.6	6300
F130A	95.6	6300

Application/Limitation

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

Type Examination documentation

Drawing No	Rev.	Title
F130AET'18 (6EM4)	1S6EM-300FA	F130A Parts Catalog
F115BET'19 (6EK6) - FL115BET'19 (6EL6)	1T6EK-300FA	F115B Parts Catalog
6EM-28197-ZY-11	LIT-18616-03-93	F115B and F130A Service Manual
-	-	Engine specification comparison

Tests carried out

Tests carried out 2019-05-16 with F115BET, serial no 6EK 1063852, witnessed by DNV Fredericia

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