

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)
F80D and F100F

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

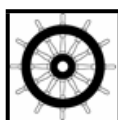
Further details of the equipment and conditions for certification are given overleaf.

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



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-009647-1**
Certificate No: **MEDB00005T8**

Product description

4-stroke, water cooled outboard engines

Engine model	Rating kW	Propeller RPM
F80D	58.8	6000
F100F	73.6	6000

Application/Limitation

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

Type Examination documentation

Drawing No	Rev	Title
6HV-28197-HW-11	LIT-18616-03-80	F80D and F100F Service Manual
F80DET'18 (6HV2) - F100FET'18 (6HJ2)	1S6HV-300FA	F80D and F100F Parts Catalog
-	-	Engine Specification Comparison

Tests carried out

Tests carried out 2019-05-16 with F80DET, serial no 6HV 1001431 and witnessed by DNVGL 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