

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 the Kingdom of Norway.

This is to certify:

That the Lifeboat/rescue boat propulsion engine

with type designation(s)

8LV370, 8LV370Z, 8LV350, 8LV350Z, 8LV350C, 8LV350ZC, 8LV320, 8LV320Z, 8LV320C, 8LV320ZC

Issued to

**Yanmar Co., Ltd. Tsukaguchi Plant
Amagasaki Hyogo Pref, Japan**

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

Regulation **(EU) 2017/306,**

item No. MED/1.36. SOLAS 74 as amended, Regulation III/4 & X/3 and LSA Code

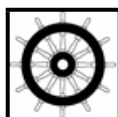
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-03-16**.

Issued at **Høvik** on **2017-03-17**

DNV GL local station:
Kobe

Approval Engineer:
Tin Nguyen



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body



Job Id: **344.1-003349-2**
Certificate No: **MEDB00002GF**

Product description

4-stroke in-line diesel engine.

Engine model	8LV370, 8LV370Z	8LV350, 8LV350Z, 8LV350C, 8LV350ZC	8LV320, 8LV320Z, 8LV320C, 8LV320ZC
Cylinder bore (mm)	86	86	86
Piston stroke (mm)	96	96	96
Maximum continuous rating (kW)	248	234	214
Engine speed (RPM)	3683	3683	3683
Permissible maximum output (kW)	273	257	235
Engine speed (RPM)	3800	3800	3800

Application/Limitation

The engine is approved for use as propulsion engine for life/rescue boats.

Tests carried out

Test report: Document No. G2-19798-0420 dated 2012-03-15.

Tests according to:

LSA Code 4.4.6.2; MSC 81(70) 1/6.10.2 – 6.10.4

LSA Code 4.4.6.3; MSC 81(70) 1/6.10.5

LSA Code 4.4.6.4; MSC 81(70) 1/6.10.6

LSA Code 4.6.4.2; MSC 81(70) 1/6.14.6 – 6.14.8

Marking of product

The product is to be indelibly marked with name and address of manufacturer, type designation, and date of manufacture. In addition, the manufacturer shall affix the Mark of Conformity followed by the DNV GL Notified Body No. 0575 and the production year (4 digits).

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity  according to Directive 2014/90/EU on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity

END OF CERTIFICATE