

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00001NB

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, 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)

3YM27A, 3YM30R

Issued to

Yanmar Co., Ltd. Tsukaguchi Plant

Amagasaki Hyogo Pref, Japan

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

Annex A.1, item No. A.1/1.36 and Annex B, Module B in the Directive; 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 **2021-08-31**.

Issued at **Høvik** on **2016-09-01**

DNV GL local station:

Kobe

Approval Engineer:

Tin Nguyen

Notified Body

No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

Product description

4-stroke in-line diesel engine.

Engine model	3YM27A	3YM30R
Cylinder bore (mm):	76	76
Piston stroke (mm):	82	82
Maximum rating (kW):	21.3	21.3
Engine speed (RPM):	3200	3600

Application/Limitation

Engine model 3YM27A is approved for use as propulsion engine for life/rescue boats and 3YM30R for rescue boat only.

Type Examination documentation

Tests carried out

Engine model 3YM 27A:

Test report: Document No. G2-28991-0030 rev.1 dated 2011-10-27

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

Engine model 3YM 30R:

Test report: Document No. G2-28992-0030 rev.1 dated 2011-10-27

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

Marking of product

The product to be marked with manufacturer's name or trademark and type number identification

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module of Annex B in the same directive is fully complied with.

END OF CERTIFICATE