

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 Lifeboat/rescue boat propulsion engine

with type designation(s)
3JH25A/3JH30A

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) 2018/773,**

Annex A.1, item No. A.1/1.36-1.37 and Annex B, Module B in the Directive and as applicable SOLAS 74 Regulation III/4 & III/34 and LSA Code.

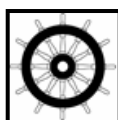
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-06-10.**

Issued at **Høvik** on **2019-06-11**

DNV GL local station:
Kobe

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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: **344.1-000915-33**
Certificate No: **MEDB00005KX**

Product description

3 cylinder, four stroke diesel engines with gearbox

Engine model	3JH25A	3JH30A
Cylinder bore	82 mm	82 mm
Piston stroke	86 mm	86 mm
Continuous rating	18.4 kW	22.1 kW
Engine speed	3200 RPM	2900 RPM
Electric starter	Hitachi S114-817A or S114-483A	Hitachi S114-817A or S114-483A
Alternator	Denso 101211-2951	Denso 101211-2951
Reduction gear	KM35P1	KM35P1

Application/Limitation

The engine models are approved for use as propulsion engines in life/rescue boats.

Tests carried out

Tests carried out August through December 1986 in the presence of HK (Ship Equipment Inspection Society of Japan). Test procedures comparable with IMO Resolution A.689(17) as amended by IMO Resolution MSC.54(66).

Inspection Certificate for Marine Equipment No. 86-OS-c41 with enclosed test reports for engine model 3JH25A

Inspection Certificate for Marine Equipment No. 86-OS-c42 with enclosed test reports for engine model 3JH30A.

Cold start test dated 2007-10-29. Report G2-29198-1450.

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