

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007SH

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 AS under the authority of the Government of Norway.

This is to certify:

That the Fire Doors

with type designation(s)
Marine Class A-60 Hydraulic Sliding Door (262WDL097-00)

Issued to

Wuxi MNET Equipment Tech Co., Ltd.
Wuxi, Jiangsu, China

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

Regulation (EU) 2021/1158,
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511,
IMO MSC.1/Circ.1319

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

This Certificate is valid until **2027-04-19**.

Issued at **Høvik** on **2022-04-20**

DNV local station:
Jiangyin NB & CMC

Approval Engineer:
Thorvald Furuseth



Notified Body
No.: **0575**

for **DNV AS**

Sverre Olav Bergli
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

"Marine Class A-60 Hydraulic Sliding Door (262WDL097-00)"

A single leafed sliding door composed of a door frame, roller devices, guide rails, locking arrangement and sealing materials.

The door leaf is composed of 1.5 mm thick steel plate + 8 mm thick fireproof board of type YB (manufactured by Yixing marine Insulation Material Co. Ltd with density 1000 kg/m³) + 35 mm thick ceramic wool of type TG-II (manufactured by Suzhou Youlian Marine Fitting Co. Ltd with density 170 kg/m³) + 8 mm thick fireproof board of type YB + 10 mm thick steel plate + L-type steel stiffener.

The door leaf is fitted with fireproof expansion seal strips 20 mm x 4 mm (manufactured by Shanghai Jiar Fu Decoration material Company Ltd) and watertight rubber strip (manufactured by Jiangyin Dingyan Seals Co., Ltd.).

Total door leaf thickness is 363 mm.

The four-sided door frame is composed of 12 mm thick steel plate and welded to the steel bulkhead.

The door frame is fitted with accumulator, hydraulic pump unit, electric box and control devices at one side and it is sealed by steel plate and fireproof board.

The door leaf has eight door leaf guides on one side end and 8 guide holes of $\varnothing$ 30 mm on the opposite side fixed respectively to lock tightly door leaf with door frame.

For further details, see the drawings, descriptions, etc. in the test reports referred to below.

Application/Limitation

The door is approved for installation in steel bulkheads of class A-60. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max. door clear light opening: 1600 x 2400 mm (Width x Height).

Max. door leaf size: 1800 x 2480 mm (Width x Height).

Note that this is a fire safety certificate which only covers fire technical properties (i.e. not to cover strength evaluations related to watertightness, weathertightness, etc.).

The insulation materials and adhesives used have to be approved according to the Marine Equipment Directive and bear the MED Mark of Conformity. This requirement may also be applicable for surface materials used, if required by relevant rules and regulations.

The product is to be supplied with its manual for installation, use and maintenance.

Type Examination documentation

Test report No. FT15117 dated 25 May 2015 from FEFTC Shanghai, China.

Test report No. FT15183 dated 25 May 2015 from FEFTC Shanghai, China.

Drawing Nos.:

- 262WDL097-CB3 dated 20 January 2015,
 - 262WDL097-00 dated 20 January 2015,
 - 262WDL097-01-00 dated 20 January 2015,
 - 262WDL097-02-00 dated 20 January 2015,
 - 262WDL097-11 dated 20 January 2015,
 - 262WDL097-CB2 dated 20 January 2015,
 - 262WDL097-BZ dated 20 January 2015,
- All from Wuxi Delin Marine and Ocean Technology (Group)Co.,Ltd., Wuxi, China

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, fire technical rating and the MED Mark of Conformity (see first page).