

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007SK

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)
262WDL090-00 Type Class A-60 Pneumatic Fire Sliding Door

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"262WDL090-00 Type Class A-60 Pneumatic Fire Sliding Door"

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 stainless-steel plate + 8 mm thick fireproof board of type YB (manufactured by Yixing marine Insulation Material Co. Ltd. with density 1000 kg/m³) + 27 mm thick ceramic wool of type TG-II (manufactured by Suzhou Youlian Marine Fitting Co. Ltd. with density 170 kg/m³) + 8mm thick fireproof board of type YB + 1.5 mm thick stainless-steel plate. 2 pulley devices are mounted at the upper part of the door leaf. A handle and lock is fixed at one side of the door leaf.

Total door leaf thickness is 46 mm.

The four-sided door frame is composed of 3 mm thick stainless-steel plate with ceramic wool inside (manufactured by Suzhou Youlian Marine Fitting Co. Ltd. with density 170 kg/m³). Frame is fitted with 4 pulleys at upper and lower frame of the door frame respectively, door opening valve, control box of key valve and button box at one side of the door. Rail device, switch, cylinder assembly and other components are fixed on the upper part of the door frame. Door frame is fixed to the bulkhead by M6 x 20 bolts with max 140 mm in c/c and may also be welded to the bulkhead.

The door frame is fitted with graphite fire strips 20 mm x 4 mm and 20 mm x 2.5 mm (manufactured by Wuhu Jiarfu Decoration Material Co., Ltd) and with rubber seal strips ZR-05-8x14x25 and ZR-06-12x8.5 (manufactured by Jiangyin Dingyan Seals Co., Ltd.).

The door leaf may be fitted with:

- 34 mm thick observation window composed of 6 mm thick fire glass +20 mm thick fire liquid + 8 mm fire glass (provided by Qinhuaqdao Yaohua Industrial and Technical Glass Co. Ltd.) in the upper part of door leaf with clear opening: 400 mm x 600 mm (W x H)
- hose port with max. clear opening: 150 mm x 150 mm (W x H).

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 (aluminum, FRP, etc.) are subject to case-by-case approval.

Max. clear opening of door: 1950 mm x 2200 mm (W x H)
Max. size of door leaf: 2100 mm x 2400 mm (W x H)

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.

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

Type Examination documentation

Test Report No. FT19258 dated 29 October 2019 from FEFTC Shanghai, China.

Test Report No. FT19324 dated 15 November 2019 from FEFTC Shanghai, China.

Drawing Nos.:

- 262WDL090-BZ1 dated 18 June 2019,
 - 262WDL090-BZ2 dated 18 June 2019,
 - 262WDL090-BZ3 dated 18 June 2019,
 - 262WDL090A-00-CWD dated 18 June 2019,
 - 262WDL090-00-BZ dated 18 June 2019,
 - 262WDL090-00 dated 18 June 2019,
 - 262WDL090A-01-00 dated 18 June 2019,
 - 262WDL090A-02-00 dated 18 June 2019,
 - 262WDL090A-02-01-00 dated 18 June 2019,
- 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



Job Id: **344.1-011809-1**
Certificate No: **MEDB00007SK**

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

USCG approval limitations

The approval is limited to fire doors without windows and doors with total window area of 645 cm², or less, in each door leaf. For larger windows, USCG shall be contacted.