

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000929

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

that the Fire Doors

with type designation(s)
A-60 Fireproof Door, Type 262JC-F2023-06

issued to

Jiangyin Marine Equipment Manufacturing Co., Ltd.
Jiangyin, Jiangsu, China

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

Regulation (EU) 2024/1975,
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

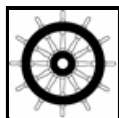
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2029-09-17**.

Issued at **Hamburg** on **2024-09-18**

DNV local unit:
Jiangyin NB & CMC

Approval Engineer:
Meike Grabau



Notified Body
No.: **0098**

for **DNV SE**

Mydlak-Röder, Christine
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) 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 SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"A-60 Fireproof Door, Type 262JC-F2023-06"

is a class A-60 single-leaf stainless steel fire door with window, escape hole and port hole.

The door leaf consists of ceramic wool insulation core, 10 mm inorganic fireproof core board on both sides, covered by 1.2 mm thick stainless steel plates on both sides. The TG type ceramic wool insulation material is produced by Zhejiang Pusen New Material Technology Co., Ltd. with 170 kg/m³ nominal density.

Total door leaf thickness: 45 mm.

The door leaf is installed at one side with three stainless steel hinges. On the other side a C-1 door lock provided by Shanghai Utilization Lock Co., Ltd. is fitted at half height. At the top half the door leaf is fitted with a window, consisting of 6 mm tempered glass + 20 mm fireproof liquid + 12 mm tempered glass from the exposed surface, produced by Qinhuangdao City Haigang District Yuehua Industrial Technical Factory and a stainless steel press frame, fixed to the door leaf by M6 x 45 stainless steel countersunk head screws. Fireproof strips (20 mm x 2 mm, provided by Jangyin Lide Decoration Co., Ltd.) are used to seal the window. The escape exit is installed at 200 mm from the bottom of the door leaf. A fire hole is installed by a hinge in the lower right corner of the door leaf. Fireproof strips (20 mm x 2 mm, provided by Jangyin Lide Decoration Co., Ltd.) are used to seal the fire hole. The structure of the escape exit and the fire hole is consistent with the door leaf.

The door frame is a four-sided door frame made by 1.5 mm thick stainless steel plate. The frame is fixed to the opening of the A-class bulkhead by bolts (M6 x 30). The door frame is filled with TG type ceramic wool insulation material, produced by Zhejiang Pusen New Material Technology Co., Ltd. with 170 kg/m³ nominal density. Fireproof strips (20 mm x 15 mm, provided by Jangyin Lide Decoration Co., Ltd.) are installed around the door frame.

For further details refer to the documents listed under "Type Examination documentation" below.

Application/Limitation

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.

Maximum door leaf size: 1036 mm x 2236 mm (W x H)
Maximum clear door opening: 1000 mm x 2200 mm (W x H)
Maximum clear escape opening: 420 mm x 520 mm (W x H)
Maximum clear window opening: 450 mm x 450 mm (W x H)
Maximum clear fire hole opening: 150 mm x 150 mm (W x H)

The insulation materials (and adhesives, if any) 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 door is to be supplied with its manual for installation, use and maintenance.

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

Type Examination documentation

Tests carried out

Tested according to IMO 2010 FTP Code Annex 1, Part 3.

Marking of product

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.