

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB0000879

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)
DTA60 Type Class A60 Elevator Fire Door

Issued to

CSSC - Jiangxi Chao Yang Machinery Co., Ltd.
Jiujiang, Jiangxi, China

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

Regulation (EU) 2022/1157,
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 **2027-10-27**.

Issued at **Høvik** on **2022-10-28**

DNV local station:
Wuhan NB & CMC

Approval Engineer:
Karolina Kusmider



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

“DTA60 Type Class A60 Elevator Fire Door”

is an insulated double leaf horizontal lift-landing sliding door of class A-60.

The door leaves are 65 mm thick (not including the edge cover) and of 1468 mm in overall width after closing. The door leaves are composed from the exposed side of 0.52 mm thick galvanized steel sheet + 5 mm thick magnesium oxide board + rock wool + 10 mm thick magnesium oxide board + 0.52 mm thick galvanized steel sheet. Two 3 mm thick U-shaped steel stiffeners are fitted on top and at the bottom of the door leaves and two 2 mm thick U-shaped steel stiffeners are fitted on the left and right sides of the door leaves. Two transverse U-shape stiffeners made of 2 mm thick steel plate are fitted inside each door leaf.

A flashboard at the lower end of the door leaves is inserted into the groove of the sill. The door leaves are bridged by insertion with 50 mm in width.

The door frame columns and beams are made of 1.5 mm thick steel plates with rockwool laid inside. Frame columns are welded or bolted (M12x25, spaced maximum 250 mm apart) through 6 mm thick angle steel to the bulkhead.

The sliding mechanism above the door leaves is 2830 mm long, 180 mm high and 120 mm wide.

The sill component is 2800 mm long, 38 mm high and 130 mm wide and fixed on the bulkhead by 6 mm thick still tray.

The insulation material used in elevator door is YG-2 type rock wool (nominal density 120 kg/m³, 50 mm nominal thickness, moisture content ≤0.5% and nominal organic content 4%) made by Changzhou Thermal Insulation Material Factory Co., Ltd. and the magnesium oxide board (nominal density 1200 kg/m³, 5 mm / 10 mm nominal thickness, moisture content 8%, nominal organic content 10%) is produced by Suzhou Eron Industrials Co., Ltd.

Fireproof seal strips provided by Jiangyin Lide Decorations Co., Ltd.:

- 19.5 mm x 4 mm installed at the upper end of the door frame and left and right sides,
- 8.5 mm x 7 mm installed inside still component and
- 50 mm x 4 mm installed at the intersection of center door seam.

Hydra type door lock provided by Wittur Elevator Components (Suzhou) Co., Ltd.

For further details see drawings listed under Type Approval documentation below.

Application/Limitation

Approved for use as lift-landing door of class A-60.

Maximum door leaf size: 733 mm x 2212 mm (W x H).

Maximum clear door opening: 1400 mm x 2200 mm (W x H).

The insulation materials and adhesives used have to be approved according to the Marine Equipment Directive and bear the 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.

Type Examination documentation

Test report No. FT21095 dated 2021-04-06 from Far East Fire Testing Centre (FEFTC), Shanghai, China.

Drawings No. FHM-A60-00 to FHM-A60-3-0 dated 2021-10-21 from Manufacturer.

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, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).