



EC TYPE EXAMINATION (MODULE B)

CERTIFICATE No. MED293217CS

This is to certify that RINA Services S.p.A. did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of (EU) 2017/306.

MED Item N° MED/3.16

USCG Category N° 164.136

Description Fire doors

Type OMP50A60X

Applicant **MECCANICA MARIANI SRL**

VIA PIAN DI CELLE. 51
05010 San Venanzo (TR)
ITALY

Testing standards IMO Res. MSC.307(88)-(2010 FTP Code) - IMO MSC.1/Circ. 1319

Reference standards Chap. II-2 of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment

Issued in Genoa on
October 24, 2017

This Certificate is valid until
October 24, 2022

This Certificate consists of this sheet plus an attachment

Enrico Cabella

RINA Services S.p.A.

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Manufacturer

MECCANICA MARIANI SRL

Place of Manufacturer

VIA PIAN DI CELLE. 51
05010 San Venanzo (TR)
ITALY

Product description

Single leaf hinged door with maximum clear opening size of 900 mm (W) and 1890 mm (H) and having radiused corners with radius of 82.5 mm. The door leaf, having maximum dimensions of 980 (W) x 1970 (H) mm and thickness of 120.5 mm, is composed of a steel plate 4 mm thick having the edges bent on the rabbet, of a steel sheet 2 mm thick, fitted in the opposite side and, in between, the insulating material. The insulation material is composed of a layer of material type PROMAGUARD, 10 mm thick and having density of 240 kg/m³ fixed to the steel sheet having thickness of 2 mm by means of steel pins and washers welded with density of 12 per m². The leaf is fitted, inside, with No. 9 stiffeners, 3 transversal, 2 longitudinal and 4 oblique fitted on the leaf corners. The stiffeners, having dimensions of 40x40 mm and thickness of 6 mm, are welded to the steel plate having thickness of 4 mm. The door frame is composed of a carbon steel angular having dimensions of 100x75x7 mm that makes the closure tight with the gasket fitted in the leaf bent edges. The door is equipped with a lever closing device, that acts on 5 points, fitted inside the leaf and actuated by the handle.

Field of application

Fire resistant A-60 Class single leaf hinged door. Fire resistant A-30 Class single leaf hinged door in compliance with IMO MSC.1/Circ. 1319 dated 11 June 2009. In this case the dimensions relevant to the height and with of the door may be increased of 15% provided that the surface area is not increased of more than 10%.

Reference documents

Officina Meccanica Mariani drawings No. P900 dated 16 November 2011 and No. P901 dated 11 October 2012 approved on 24 October 2012 respectively with endorsement No. LABS-722 and No. LABS-723.

Tests carried out

Tests as per RINA Test Laboratory Report No. 2012CS013004 issued on 24 October 2012 according to IMO Res. A. 754(18) and to IMO MSC.1/Circ. 1319 dated 11 June 2009.

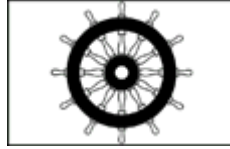
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The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body



XXXX/YYYY

"WHEELMARK FORMAT"

XXXX Notified Body number undertaking surveillance module

YY Last two digits of year mark affixed

USCG Approval

This product has been assigned a U.S. Coast Guard module B number (*USCG number: 164.136/EC0474*) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004.

The manufacturer is allowed to affix the U.S. Coast Guard approval number to the above equipment subject to the authorization of the Notified Body undertaking the surveillance module.

General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.

Enrico Cabella

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