



CERTIFICATE NUMBER

01-HS195940-4-PDA

DATE

06 December 2012

ABS TECHNICAL OFFICE

Houston OED - Equipment

CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of
NABRICO MARINE PRODUCTS - GALLATIN

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

PRODUCT: **Door, Watertight 4 & 6 Dog**

MODEL: **DF-600/605 - XXXX. See Description for Models**

This Product Design Assessment (PDA) Certificate 01-HS195940-4-PDA, dated 06/Dec/2012 remains valid until 05/Dec/2017 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING


Tim Kimble

Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

NABRICO MARINE PRODUCTS

DIV. OF TRINITY INDUSTRIES, INC.

1250 GATEWAY DR.

GALLATIN

TN 37066

United States

Telephone: 615-442-1300

Fax: 615-442-1313

Email: nabrico@trin.net

Product: Door, Watertight 4 & 6 Dog

Model: DF-600/605 - XXXX. See Description for Models

Intended Service:

Marine & Offshore Applications - for Installations of watertight and weathertight Doors in Deckhouse/
Superstructures.

Description:

A watertight door and weathertight door manufactured with steel from 6.35 mm cover plate with 4 & 6 Dog for closure mechanism.

Models: DF-600/605-2454, 2460, 2472, 2866, 2872, 3054, 3060, 3066, 3072, 3666, 3672.

Ratings:

Weathertight Doors are suitable in Deckhouse locations where the Design Head is not more than 28 ft.

Watertight Doors where the Design Head is not more than 28 ft for Models: DF-600/605-3054, or less in dimensions.

Watertight Doors where the Design Head is not more than 24 ft for Models: DF-600/605-3060, or less in dimensions.

Watertight Doors where the Design Head is not more than 20 ft for Models: DF-600/605-3066, or less in dimensions.

Watertight Doors where the Design Head is not more than 18 ft for Models: DF-600/605-3666, or less in dimensions.

Watertight Doors where the Design Head is not more than 16 ft for Models: DF-600/605-3672, or less in dimensions.

The vertical spacing of the horizontal stiffeners should be equidistant between them.

All steel materials are to be equivalent to ABS Grade to the satisfaction of attending surveyor.

Service Restrictions:

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

- 1) The adequacy of the Door Frame without Supporting Structure is excluded from this Design Assessment. An Assessment would be required for each Application.
- 2) For each Installation, drawings are to be submitted for review for verification that Door and Frame Scantlings, Materials and Arrangements, including Closing Arrangement are acceptable for the proposed Location.
- 3) After installation, the weathertight and watertight door assembly are to be Hose-Tested to the satisfaction of the attending Surveyor.

Comments:

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes / Drawings / Documentation:

Supporting Data:

Dwg No. 100197/100142, Rev.0 , Assembly Details stamped ABS reviewed.

Dwg No. 100152, Rev.1, DF-600-3672 (LH) 6 Dog Marine Door

Dwg No. 100153, Rev.1, DF-600-3672 (RH) 6 Dog Marine Door

Dwg No. 100868, Rev.1, DF-600-3672 (LH) 4 Dog Marine Door

Dwg No. 100869, Rev.1, DF-600-3672 (RH) 4 Dog Marine Door

Term of Validity:

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or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

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STANDARDS

ABS Rules:

2012 Steel Vessels Rules 1-1-4/7.7, 1-1-Appendix 3; 3-2-9/5.1 & 3-2-9/5.3, 3-2-11/3.3 & 3.5;
2012 MODU 3-2-2/7.3 & 7.5

National:

NA

International:

NA

Government Authority:

NA

EUMED:

NA

Others:

None