

## EC-TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

DBI Certification did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

<b>Manufacturer Address</b>	C.C. Jensen A/S, Løvholmen 13, 5700, Svendborg, Denmark
<b>Directive Reference</b>	MED Directive 2014/90/E , Regulation as amended by MED (EU) 2015/559.
<b>Regulation Item</b>	Item No. A.1/3.25 as amended by MED (EU) 2015/559
<b>Product Type</b>	Windows and side scuttels
<b>Product Description</b>	A-60 Window 1200 x 2200
<b>Specified Standards</b>	IMO Res. MSC.307(88), 2010 FTP Code Annex 1 Part 3, appendix 2, according to Chapter 8, Article 8.3. IMO Res. MSC.61(67)-(FTP Code) (IMO Res. A.754(18)) annex 1 part 3 and IMO MSC/Circ.847, IMO MSC/Circ.1120.

**The attached (*schedule of approval*) forms part of this certificate.**

**This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.**

Date of issue 2016-12-16 Issued by DBI Certification Notified Body No. **2531**  
Expiry date 2021-12-16

*The certificate supersedes the certificate MED-B-7014 version issued:2011-07-20 by NB no.0575  
This certificate was first issued 2016-12-16 by NB no.2531.*

This certificate consist of 3 pages



Allan Laursen  
Responsible for evaluation

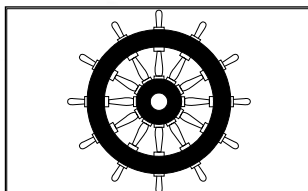


Merete Poulsen  
Responsible for certification decision

Note:

**This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the notified body named on this certificate.**

**Should the specified regulations or standards be amended during the period of validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on the market and on board vessels to which the amended regulations or standards apply.**



**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 B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.**

**In case limitations of use apply, these should be indicated of in the Annex.**

**This certificate is issued under the authority of the Danish Maritime Authority.**

(Annex)  
**Schedule of Approval**

## Place of Production

C.C. Jensen A/S, Løvholmen 13, 5700, Svendborg, Denmark.

## Product Description

A-60 Window 1200 x 2200

Composed of steel frame incorporating a glass unit consisting of one of the following:

1. Pressure glass, minimum 10 mm, an air cavity of 15 mm and a fire technical glass sheet unit designated Contraflam N2.
2. Pressure glass sheet, min 10 mm, an air cavity of 6 mm and a fire technical glass unit designated MarinFlam (4 mm glass + 22 mm gel + 6 mm glass)

Total glass unit thickness 48 mm.

Complete side of window frame to be insulated on unexposed side to the same fire rating as that of the bulkhead, to which the window is mounted.

## Product Classification

The window designated A-60 window 1200 + 2000 fulfils the criteria listed in IMO 2010 FTP Code, Annex 1 part 3 appendix 2; "Test for windows" according to Chapter 8, Article 8.3 and thus also IMO Res. MSC.61(67)-(FTP Code) (IMO Res. A.754(18)) Annex 1 Part 3 and IMO MSC/Circ.847, IMO MSC/Circ.1120.

## Application / Limitation of Product

Then window is approved for use as an integrated part of Class A-60 Bulkhead.

Maximum size of window (Fire technical glazing unit): 1200 x 2200 mm (width x height).

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

Fire against external (pressure glass) side.

Strength glass against weather side to be marked according ISO 614 (where relevant).

The window is approved for installation in steel bulkheads. Other applications are subject to case-by-case approval.

The window has only been evaluated with respect to fire technical properties (e.g. strength requirements have not been considered). Arrangement and location of any window is subject to approval from relevant authorities in each case.

Hose stream test was carried out with satisfactory results according to MSC.61(67)-(FTP Code) (IMO Res. A.754(18)) A.I.5.

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

## Type Approval Documentation

Test report no. 112609 dated 2000-06-19 from Warrens.  
Test report no. PG11030 dated 2002-06-11 from DBI.

Tested according to Recommendation on Fire Test Procedures for "A", "B" and "F" Class Divisions, IMO Resolution A.754(18) as well as the International Code for Application of Fire Test Procedures, Resolution MSC.61(67)), IMO FTP Code, Annex 1 Part 3, Test for "A", "B" and "F" Class Divisions, together with the unified interpretations of SOLAS chapter II-2/9, the FSS Code, the FTP Code and related fire test procedures (IMO MSC/Circ. 1120).

## Marking of Product

The product or packing is to be marked with name of manufacturer, type designation, technical rating and Mark of Conformity.

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 and controlled by a written inspection agreement with a notified body.

**End of Certificate**