



# DET NORSKE VERITAS

## EC TYPE-EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2009/26/EC, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by Det Norske Veritas under the authority of the Government of the Kingdom of Norway.

CERTIFICATE NO. **MED-B-7016**

This is to certify that the  
**Windows and side scuttles**

with type designation(s)  
**A-30 WINDOW three parted 2260 x 2060**

Manufacturer  
**C.C. Jensen A/S**  
**SVENDBORG, Denmark**

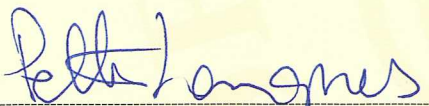
is found to comply with the requirements in the following Regulations/Standards:  
Annex A.1, item No. A.1/3.25 and Annex B, Module B in the Directive SOLAS 74 as amended, Regulation II-2/9, IMO MSC/Circ.847, IMO MSC/Circ.1120 and IMO FTP Code

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

**Høvik, 2011-07-20**  
for **Det Norske Veritas AS**



This Certificate is valid until  
**2016-07-20**

  
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**Eivind Mykland**  
Head of Department

Notified Body No.: **0575**

DNV local office:  
**Fredericia**

  
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**Marius Mørner**  
Surveyor



The Certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this Certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended. The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.



Certificate No.: MED-B-7016  
Item No.: A.1/3.25  
Job Id.: 344.1-000427-5

### Product description

"A-30 WINDOW three parted 2260 x 2060"  
composed of three windowpanes of type Contraflam N2, total thickness 47mm. The tempered pressure resisting glass may alternatively be 10, 12, 15, 19 or 25 mm. Glass panes fitted in a steel frame with two vertical steel mullions welded to the frame. Total frame welded to bulkhead.

### Application/Limitation

Approved for use as an integrated part of fire retarding bulkheads of class A-30.

Maximum size of total glazing frame: 2260 x 2060 mm (width x height).

Maximum size of each glazing unit: 720 x 2020 mm (width x height).

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

Fire against internal (Contraflam glass) side.

Strength glass against weather side to be marked according to 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 authority in each case.

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

### Type Examination documentation

Test report No. 115979 dated 28 November 2000 from Warrington Fire Research Centre, Warrington, UK.

Tested according to IMO FTPC Part 3, IMO Res. A.754(18).

### Marking of product

The product is to be marked with name of manufacturer, type designation, fire technical rating and the Mark of Conformity, if applicable (see below).

### Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity  according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

