

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 GL AS under the authority of the Government of Norway.

This is to certify:

That the Windows and side scuttles

with type designation(s)
A-0 WINDOW three parted 2500 x 2200

Issued to
C.C. Jensen A/S
Svendborg, Syddanmark, Denmark

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773**,
item No. MED/3.25. SOLAS 74 as amended, Regulation II-2/9, IMO MSC/Circ.1120 and IMO 2010 FTP Code

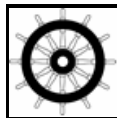
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-03-31**.

Issued at **Høvik** on **2019-04-01**

DNV GL local station:
Fredericia

Approval Engineer:
Helge Bjørnarå



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-000427-13**
Certificate No: **MEDB00004X2**

Product description

"A-0 WINDOW three parted 2500 x 2200",
composed of three window panes mounted in a steel frame and held in place by a stainless steel glass list. The window panes are constructed of three layers of toughened glass with gaps in between. 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 thickness of glazing unit: 34 mm

Total frame welded to bulkhead.

For further details, see drawing listed under Type Examination documentation.

Application/Limitation

The window is approved for installation in steel bulkheads of class A-0. Other applications are subject to case-by-case approval.

Fire against internal (Contraflam glass) side.

Maximum size of window:	2560 mm x 2260 mm (h x w)
Maximum size of total glazing frame:	2500 mm x 2200 mm (h x w)
Maximum size of each glazing unit:	2220 mm x 1120 mm (h x w)

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

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. PGA11285A, Rev.0, dated 9 November 2018 from DBI, Hvidovre, Denmark.

Drawing No. VA911700501 dated 11 October 2017 from maker.

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 (see first page).