DNV·GL

Certificate No:
MEDB000075Z

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Lifejackets

with type designation(s)
HZ-AJ-II

Issued to
Nantong Haizhou Marine Equipment Co.,Ltd.
Haimen, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2020/1170,**
item No. MED/1.4. SOLAS 1974 as amended, Reg. III/4, III/7, III/22, III/34 & X3, LSA Code, 2000 HSC Code 8 and IMO MSC/Circ.922, IMO MSC.1/Circ.1304 and 1470.

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

This Certificate is valid until **2025-11-23**.
Issued at **Hamburg** on **2020-11-24**

DNV GL local station:
Nantong

Approval Engineer:
Roland Priebe

Notified Body
No.: **0098**

for **DNV GL SE**

Gerhard Aulbert
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 SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

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Product description

The **HZ-AJ-II** is an inherently buoyant lifejacket for adults. It is made of a reddish canvas around buoyancy material and has the following size:720 mm long, 130 mm thick, 300 mm wide in chest area and 350 mm wide in head area. The neck area has a reduced thickness for better flexibility. The two chest parts are closed with two nylon belts/buckles, a small one in the upper part and a big one in the lower part.

Approximately inherent buoyancy: 150 N

For further details refer to the documentation listed below under "Type Examination documentation".

Application/Limitation

Inherently buoyant lifejackets for adults approved for persons of 43 kg or more.

Retro-reflective material and position indicating light shall be approved in accordance 2014/90/EC as amended and be "wheelmarked".

The design assessment is based on IMO Res. MCS.48(66) as amended by IMO Res. MSC.207(81), IMO Res. MSC.218(82) and IMO Res. MSC.368(93).

Production tests shall be carried out according to IMO Res. MSC.81(70), Part 2 as amended.

MSC/Circ.922 regarding thermal protective lifejackets (TP lifejackets) is not applicable for this type of lifejackets.

Each product is to be supplied with its instructions for use and maintenance.

Type Examination documentation

This certificate is based on the previous MED-B certificate 14988-15 HH issued on 2015-11-18.

Following test reports are all issued by Wuhan Testing Center of Marine Life-saving Appliances, China:

- No. 2014068 version no. 2.0, dated 2015-08-17 (Water performance),
- No. 2014071, dated 2014-08-22 (Fabric material),
- No. 2014072, dated 2014-08-22 (Sewing thread),
- No. 2014073, dated 2014-08-22 (Structural webbing),
- No. 2014074, dated 2014-08-22 (Hardware) and
- No. 2014075, dated 2014-08-14 (Lifejacket material).

Drawing from Manufacturer:

- Assembly Illustration Diagram - Adult lifejacket HZ-AJ-II

Tests carried out

Tests carried out in accordance with Revised Recommendations on Testing of Life-Saving Appliances, IMO Res.MSC.81(70), Part 1, including IMO Res. MSC.200(80), IMO Res. MSC.226(82), IMO Res. MSC.323(89) and IMO Res. MSC.378(93).

Marking of product

The product is to be marked acc. to the LSA code IMO Res. MSC.48(66) 1.2.2.9 with:

- name and address of manufacturer,
- type designation,
- date of manufacturer and
  the MED Mark of Conformity (see page 1).