

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000084M

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)
HTY-I

Issued to

Nantong Heting Mechanical and Electrical Equipment Co., Ltd.
Nantong, China

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2023/1667,

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 and MSC.1/Circ.1628

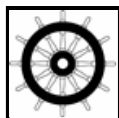
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-11-27**.

Issued at **Hamburg** on **2023-11-28**

DNV local unit:
Nantong

Approval Engineer:
Roland Priebe



Notified Body
No.: **0098**

for DNV GL SE

Christine Mydlak-Roeder
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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.



Product description

HTY-I is an inherently buoyant lifejacket (buoyancy ≥ 150 N) for adults.

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

Application/Limitation

- The adult lifejacket is approved for persons with a weight of 43 kg or more and for a height of 155 cm or more.
- Retro-reflective material and position indicating light shall be approved in accordance with the Marine Equipment Directive (2014/90/EU) and be "wheelmarked".
- The design assessment is based on IMO Res. MSC.48(66) as amended by IMO Res. MSC.207(81), IMO Res. MSC.218(82), IMO Res. MSC.368(93) and IMO Res. MSC.481(102).
- Production testing 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.

Type Examination documentation

- Test report No. 2021328 dated 2022-01-07 from Wuhan Testing Center of Marine Life-saving Appliances, Wuhan, China.
- Test report No. 2021328 Version 1.1 dated 2023-10-18 from Wuhan Testing Center of Marine Life-saving Appliances, Wuhan, China.
- "Instruction Manual Marine Adult Life Jacket HTY-I" from manufacturer.
- Drawing "Marine life jacket HTY-I" dated 2021-08-06 from manufacturer.

Tests carried out

Tests carried out in accordance with Revised Recommendation 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 indelibly marked with name and address of the manufacturer, type designation and the MED Mark of Conformity (see first page).

The markings shall comply with the LSA Code (IMO Res. MSC.48(66)), item 1.2.2.9 and 2.2.1.2.