

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)
HXY-A1, HXY-A3 (both adult sizes), HXY-C1(child size)

Issued to

Suzhou Haixing Maritime Equipment Co., Ltd.
Wujiang 100, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306**,
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.

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

This Certificate is valid until **2021-06-12**.

Issued at **Hamburg** on **2017-12-14**

DNV GL local station:
Shanghai CMC

Approval Engineer:
Peter Zell



Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-007415-1**
Certificate No: **MEDB0000367**

Product description

Inherently buoyant lifejackets, type HXY-A1 (Adult), HYX-A3 (Adult) and HXY-C1 (Child)

Application/Limitation

- The lifejackets for adults are approved for persons with a weight of 43 kg or more and for a height of 155 cm or more. They are designed to fit persons weighting up to 140 kg and a chest girth of up to 1,750 mm, in accordance with MSC.207(81).
- The lifejacket for children is approved for persons with a weight of 15 kg or more but less than 43 kg and a height of 100 cm or more but less than 155 cm.
- Retro-reflective materials shall be approved in accordance with the Marine Equipment Directive 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) and IMO Res. MSC.368(93).
- Production testing shall be carried out according to IMO Res. MSC 81(70), Part 2.

Type Examination documentation

This certificate is based on the previous EC Type Examination Certificate 47366-12 HH issued by DNV GL on 2012-11-30.

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 date of manufacture. In addition the child lifejacket shall be marked with the appropriate weight range and a child symbol in accordance with IMO Res. A.760(18). The markings shall comply with the LSA Code (IMO Res. MSC.48(66)), item 1.2.2.9 and 2.2.1.6.