

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000079N

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

This is to certify:

That the Inflatable liferafts

with type designation(s)
HNF-A6/10/15/20/25

Issued to

Jiangsu Haining Marine Equipment Co., Ltd.
Taizhou, China

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

Regulation (EU) 2020/1170,

item No. MED/1.12. SOLAS 74 as amended, Regulation III/4, III/13, III/21, III/26, III/31, III/34 & X/3, LSA Code, IMO MSC/Circ.811, IMO MSC.1/Circ.1328 and 2000 HSC Code 8

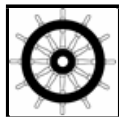
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-03-10**.

Issued at **Hamburg** on **2021-03-11**

DNV local station:
Jiangyin NB & CMC

Approval Engineer:
Roland Priebe



Notified Body
No.: **0098**

for DNV SE

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

The **HNF-A6/10/15/20/25** inflatable liferafts are designed as throw over-board type liferafts.

Application/Limitation

Type	Persons (each 82.5 kg)	SOLAS A Weight [kg]	SOLAS B Weight [kg]	Required bollard pull [kN]		Maximum stowage height [m]
				2 kn	3 kn	
HNF-A6	6	78	61	0.6	0.9	36
HNF-A10	10	97	69.5	0.6	1.0	36
HNF-A15	15	130	92	0.7	1.1	36
HNF-A20	20	157	108	0.7	1.2	36
HNF-A25	25	181.5	125	0.8	1.2	36

The liferafts shall be packed with a SOLAS A- or SOLAS B emergency pack.

Gas cylinders shall be of an approved type.

Components in the gas inflation system should be approved according to ISO 15738:2002.

The liferaft is intended to be installed with external weak link and a hydrostatic release unit. Float free arrangement to be checked upon installation on board.

The design assessment is based on International Life-Saving Appliances (LSA) Code, IMO Res. MSC 48(66) as amended by IMO Res. MSC.218(82) and IMO Res. MSC.293(87).

Production testing shall be carried out according to IMO Res. MSC 81(70) part 2.

The liferafts are to be serviced annually, provided where in any case this is impracticable, the administration may extend this to a period of max.17 months. They shall be serviced at approved service stations which are authorized by the manufacturer.

Note:

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV SE, as the Notified Body, of any modifications or changes to the approved equipment.

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.

Type Examination documentation

Test report No. 41032 JIA dated 2004-09-13 until 2005-02-27 and 2006-10-03 from GL Jiangyin, China.

Test report dated 2010-11-03 from GL Yangzhou, China.

Test report Nos. W(X)2004-860 dated 2004-11-16 and X(X)2010-202 dated 2010.02.24 from Shanghai Inst. of Rubber Prod. Testing Center, Shanghai, China.

Drawings from the manufacturer:

HNF-(A6-A25) (EC)-00-02 - structural drawing

HNF-(A6-A25) (EC)-04-01 - inflatable bottom

This certificate is replacing the previous MED B certificate 12712-10 HH, issued by DNVGL on 2016-01-25.

Tests carried out

Tests carried out in accordance with the Revised Recommendation on Testing of Life-Saving Appliances, IMO Res. MSC 81(70) part 1, including IMO Res. MSC 226(82), IMO Res. MSC 295(87) and MSC. 323(89).

Marking of product

The product is to be indelibly marked with the name and address of the manufacturer, type designation and date of manufacture. The marking shall comply with the LSA Code (IMO Res.MSC.48(66)) item 4.2.6.3 and 4.2.7.