

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 Lifeboats: Davit-launched lifeboats: partially enclosed/totally enclosed

with type designation(s)
JY-QFP-6.5, JY-QFN-6.5

Issued to

Jiangsu Jiaoyan Marine Equipment Co., Ltd.
JIANGYIN, JIANGSU, China

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

Regulation **(EU) 2018/773,**

item No. MED/1.17a. SOLAS 74 as amended, Regulation III/4, III/21, III/31, III/34 & X/3, LSA Code, IMO MSC/Circ. 1006 & 1423, and 2000 HSC Code 8

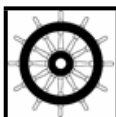
item No. MED/1.18. SOLAS 1974 as amended, Reg. III/4, III/21, III/31, III/34 & X/3, LSA Code, 2000 HSC Code 8 and IMO MSC/Circ.1006

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

This Certificate is valid until **2024-08-21.**

Issued at **Høvik** on **2019-08-22**

DNV GL local station:
Jiangyin



for **DNV GL AS**

Approval Engineer:
Jasna Jovovic-Lainis

Notified Body
No.: **0575**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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: **344.1-002722-6**
Certificate No: **MEDB00005VD**

Product description

The totally enclosed davit launched lifeboat comes in two versions:

- JY-QFP-6.5 - cargo version
- JY-QFN-6.5- tanker version; fire-protected and with a self-contained air support system

The lifeboat is also approved for use as a rescue boat.

Material	Type	Manufacturer
Polyester resin	TM-107M	Changzhou Huari New material Co., Ltd.
Gelcoat	C138	Ashland polyester(kuanshan) Co., Ltd.
Glass fiber mats	EMC300	Changzhou Tianma Group Co., Ltd.
Glass fiber woven roving	EWR400, EWR600, EWR800	Jiangyin City Xinyan Weaving Co., Ltd.
Rigid polyurethane foam plastics	-	Jiangyin Tongqi Allied Chemical Factory

Length: 6.50 m
Breadth: 2.30 m
Depth: 1.20 m
Weight of boat, fully equipped - cargo version: 2498 kg
Weight of boat, fully equipped - tanker version: 2948 kg
Weight of boat, fully manned (82.5 kg/person) - cargo version: 5468 kg
Weight of boat, fully manned (82.5 kg/person) - tanker version: 5918 kg

Hook manufacturer/type: Jiangsu Jiaoyan Marine Equipment Co., Ltd.
JXN-1, on-load/off-load
Hook SWL: 4000 kg

Hull material: FRP

Propulsion system: Inboard engine
Engine manufacturer/type: Aabenraa Motorfabrik, DV29RME ⁽¹⁾
Zhenjiang Siyang, 380J-3 ⁽²⁾
YANMAR Co Ltd, 3JH30A ⁽³⁾
Bollard pull: 2.9 kN ⁽¹⁾
2.8 kN ⁽²⁾
2.9 kN ⁽³⁾

Application/Limitation

Approved engine power: 21.3 kW ⁽¹⁾
20.6 kW ⁽²⁾
22.1 kW ⁽³⁾

Maximum number of persons, lifeboat/rescue boat: 36/6
Maximum load of persons (82.5 kg/person), lifeboat/rescue boat: 2970/495 kg

- Lifeboat & rescue boat equipment and marking/instructions to be inspected after installation onboard the ship. Equipment shall comply with LSA Code and IMO Res.MSC.81(70).
- 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.272(85) and IMO Res. MSC.320(89).
- Production and installation testing shall be carried out according to IMO Res. MSC.81(70), part 2 as amended.

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Type Examination documentation

Basis for approval:

Prototype test report	2010-06-18
	2013-10-22
Test report No. 2009-10-358-12 for fire properties acc. to IMO	2009-10-12
MSC/Circ.1006, Shanghai R&D Center for Polymer Materials, Shanghai, China	
Laminate strength test report No. BTS1905B051MCE02, Be-true Testing Services, Suzhou, China	2019-05-27
Impact test report	2010-06-18

Drawings list:

Title	Drawing no.	Rev	Date
Drawings (ref. DNVGL technical file 262.1-001085)			2010-01-12
Specification JY-QFP-6.5 (4 pages)	271SC508A-01		2013-01-20
Specification JY-QFN-6.5 (4 pages)	271SC508B-01		2013-01-20
General Arrangement of JY-QFP-6.5 (2 pages)	271SC508A-02	B	2013-01-20
General Arrangement of fire protected JY-QFN-6.0A (2 pages)	271SC508B-02	B	2013-01-20
Arrangement of release hook device	271SC508-15-1		2013-01-20
The connection of hook and lifeboat	271SC508-15-2	B	2013-07-08
Arrangement of operating instruction and danger sign	271SC508-15-3		2013-01-20
Detail of release hook JXN-1	JYXN10-07-001		2012-06-01
For./Aft. Lifting seat (2 pages)	JYX650-07-002-1	B	2013-07-08
The calculation of hook anchorage (5 pages)	JYX650-07-003-1JS	B	2013-07-08
Operation & maintenance manual (75 pages)	JYX15-41-001		2013-01-20

Tests carried out

Tests are documented in accordance with recommendation on testing of Lifesaving Appliances, IMO Res. MSC.81(70) part 1, as amended by IMO Res. MSC.226(82), IMO Res. MSC.274(85), IMO Res. MSC.321(89), IMO Res. MSC.323(89) and IMO MSC./Circ. 1006.

Marking of product

The product is to be indelibly marked with name and address of manufacturer, boat model and serial number, month and year of manufacturer, number of persons approved for and operational restrictions, if any, according to LSA code item 4.4.1.2, and bear the MED mark of conformity (see page 1)

List of lifeboat and rescue boat equipment to be posted in the boat.