DNV·GL

Certificate No:
**MEDB00001Y4**

# 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 the Kingdom of Norway.

## This is to certify:

**That the Launching appliances using fall (davits)**

with type designation(s)
**HDC3-6**

Issued to
**CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co.,Ltd.**
**Zhenjiang Jiangsu, China**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559,**
**Annex A.1, item No. A.1/1.21 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation III/4, III/23, III/33, III/34 & X/3, LSA Code and 2000 HSC Code 8**
**Annex A.1, item No. A.1/1.41c and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation III/4, III/16, III/17, III/23, III/24, III/34, X/3, LSA Code and 2000 HSC Code**
**Annex A.1, item No. A.1/1.41d and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation III/4, III/16, III/17, III/23, III/24, III/34, X/3, LSA Code and 2000 HSC Code**

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

This Certificate is valid until **2022-01-17**.

Issued at **Høvik** on **2017-01-18**

DNV GL local station:
**Nanjing CMC**

Approval Engineer:
**Mats Asvald Innstø**

Notified Body
No.: **0575**

for **DNV GL AS**

**Vidar Dolonen**
**Head of Notified Body**


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## Product description

Combined crane for rescue boat/life-raft handling with winch:

- Maximum Working Load, MWL = 21 kN
- Maximum arm = 5 m
- Maximum Hoisting Load = 14 kN

## Application/Limitation

- Grades of materials as stated on drawings are to be delivered with makers product certificates (3.1).
- The various components transferring the load like wires, shackles, hooks, etc. are to comply with international standards or codes and are to be delivered with manufacturer's certificate, confirming a safety factor minimum 6 compared to the sustained load.
- Falls to be used with the launching appliance shall be of rotation-resistant and corrosion-resistant steel wire rope.
- Installation, onboard testing (MSC.81(70) part.2), support to the deck structure, and connection to power supply are not included in this examination and shall be accepted by attending surveyor in each case.

## Type Examination documentation

## Tests carried out

Prototype test according to IMO Resolution MSC 81(70) carried out 2006-11-01 and witnessed by DNV Shanghai.

## Marking of product

Marking shall be implemented in accordance with the LSA Code, item 1.2.2.9 and the Directive.

- Type designation, manufacturer name and serial number
- Maximum Working Load, MWL

**END OF CERTIFICATE**