DNV·GL

Certificate No:
MEDB00001ZG

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 Winches for survival craft and rescue boats: davit launched lifeboats

with type designation(s)
DP100S

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.1/1.41a 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

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Job Id:
Certificate No: **MEDB00001ZG**

Product description

Lifeboat Winch:

- Maximum Working Load, MWL = 100 kN, 50 kN on each drum (third layer)
- Maximum Hoisting Load, MHL = 90 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 2002-09-10 at manufacturers workshop, witnessed by surveyor from 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