

EC-TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2013/52/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. 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)

Davit NPT85DP C/W & Winch NPT/DW110S/Z

Issued to

Jiangyin Neptune Marine Appliance Co., Ltd.
Jiangyin City, China

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

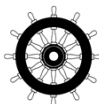
Annex A.1, item No. A.1/1.21 and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation III/4, III/23, III/33, III/34 & X/3, LSA Code and 2000 HSC Code 8

Annex A.1, item No. A.1/1.41a 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

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.

Høvik, 2015-07-10
for **DNV GL AS**



This Certificate is valid until
2020-07-09

Notified Body No.: **0575**

Petter Langnes
Head of Department

DNV GL local office:
Nanjing

Xiao Long Eric Song
Surveyor

Product description

Lifeboat / rescue boat davit with:

- Maximum Working Load, MWL = 90 kN

Lifeboat / rescue boat winch with:

- Maximum Working Load, MWL = 110 kN, 2 layers
- Maximum Hoisting Load, MHL= 110 kN
- Wire Rope Diameter = 24 mm

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

<i>Drawing No.</i>	<i>Rev.</i>	<i>Title</i>
		Instruction for Operation and Maintenance Manual of Life-saving Appliance
NPT85DP-02	0	Operation/Maintenance Manual
NPT85DP-03	0	Calculation Instruction
NPT85DP-04	0	Test Program
NPT85DP-05	0	Physicochemical properties of material for main parts
NPT85DP-06	0	General Arrangement
NPT85DP-07	0	Hanging-off unit
NPT85DP-07-01	0	Eye Plate
NPT85DP-07-02	0	Hanging rope
NPT85DP-08	0	Limited unit
NPT85DP-09	0	Boat fall
NPT85DP-09-01	0	Link
NPT85DP-09-02	0	Shaft
NPT85DP-10	0	Davit arm
NPT85DP-10-01	0	Flange plate
NPT85DP-11	0	Winch platform
NPT85DP-11-01	0	Winch Base
NPT85DP-12	0	Tackle unit
NPT85DP-12-01	0	Head Tackle
NPT85DP-12-01-01	0	Tackle body

NPT85DP-12-01-01-01	0	Body
NPT85DP-12-01-01-02	0	Bush
NPT85DP-12-01-02	0	Seat
NPT85DP-12-01-04	0	Shaft
NPT85DP-12-02	0	Adjustable Tackle
NPT85DP-12-02-01	0	Outer seat
NPT85DP-12-02-02	0	Inner seat
NPT85DP-12-02-03	0	Shaft
NPT85DP-12-03	0	Guide tackle
NPT85DP-12-03-01	0	Shaft
NPT85DP-12-03-02	0	Seat
NPT85DP-13	0	Boat Support
NPT85DP-14	0	Ladder
NPT85DP-15	0	Rail
NPT85DP-16	0	Remote control unit
NPT85DP-17	0	Gripe lashing
NPT85DP-18	0	Operation plate
NPT/DW110-03	0	Design calculation sheet
NPT/DW110-04	0	Spare part list
NPT/DW110-05	0	Test program
NPT/DW110-06	0	General arrangement
NPT/DW110-07	0	Reduction gear
NPT/DW110-07-01	0	Body Case
NPT/DW110-07-04	0	Drum Shaft
NPT/DW110-07-06	0	Gear
NPT/DW110-07-09	0	Gear Shaft
NPT/DW110-07-10	0	Gear
NPT/DW110-07-13	0	Gear Shaft
NPT/DW110-07-15	0	Shaft
NPT/DW110-07-17	0	Gear Shaft
NPT/DW110-07-19	0	Stop Clutch
NPT/DW110-07-19-02	0	Out Ring
NPT/DW110-07-19-03	0	Star body
NPT/DW110-07-19-06	0	Column
NPT/DW110-07-25	0	Hand Shaft
NPT/DW110-07-28A	0	Gear
NPT/DW110-07-28B	0	Gear
NPT/DW110-07-28C	0	Gear
NPT/DW110-07-28D	0	Gear
NPT/DW110-07-29A	0	Gear
NPT/DW110-07-29B	0	Gear
NPT/DW110-07-29C	0	Gear
NPT/DW110-07-29D	0	Gear
NPT/DW110-07-35	0	Gear Shaft

NPT/DW110-07-38	0	Gear Shaft
NPT/DW110-07-40A	0	Gear Shaft
NPT/DW110-07-40B	0	Gear Shaft
NPT/DW110-07-40C	0	Gear Shaft
NPT/DW110-07-40D	0	Gear Shaft
NPT/DW110-07-42A	0	Gear Shaft
NPT/DW110-07-42B	0	Gear Shaft
NPT/DW110-07-42C	0	Gear Shaft
NPT/DW110-07-42D	0	Gear Shaft
NPT/DW110-08	0	Manual handle device
NPT/DW110-09	0	Manual drum
NPT/DW110-10	0	Wire Clamp Plate
NPT/DW110-11	0	Speed limiting device
NPT/DW110-11-03	0	Sheel
NPT/DW110-11-04	0	Shaft Sleeve
NPT/DW110-11-06	0	Link
NPT/DW110-11-07	0	Spring
NPT/DW110-11-09	0	Rub shoe
NPT/DW110-11-10	0	Friction piece
NPT/DW110-12	0	Clutch
NPT/DW110-12-01	0	Counter weight
NPT/DW110-12-09	0	External friction
NPT/DW110-12-10	0	Internal Friction piece
NPT/DW110-12-11	0	Gear
NPT/DW110-12-18	0	Nut
NPT/DW110-12-19	0	Push Rod
NPT/DW110-13	0	Remote control drum
NPT/DW110-14-01	0	Electric & Connection diagram for NPT/DW110S Boat Winch
NPT/DW110-14-02	0	Electric & Connection diagram for NPT/DW110Z Boat Winch
NPT/DW110-14-03	0	Overall diagram for control box for NPT/DW110S Boat Winch
NPT/DW110-14-04	0	Overall diagram for control box for NPT/DW110Z Boat Winch

Tests carried out

Testing according to IMO MSC 81 (70) carried out 2009-12-23, witnessed by DNV Nanjing.

Marking of product

Marking shall be implemented in accordance with the LSA Code, item 1.2.2.9:

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

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.



Job Id: **344.1-002125-4**
Certificate No: **MEDB000002X**

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

End of Certificate