

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/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 NPT30DR / Winch NPT30DW**

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.1/1.24 and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation III/4, III/12, III/16, 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**

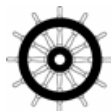
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-03-17**.

Issued at **Høvik** on **2016-03-18**

DNV GL local station:  
**Jiangyin FiS&CMC**

Approval Engineer:  
**Xiao Long Eric Song**



Notified Body  
No.: **0575**

for **DNV GL AS**

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

## Product description

- Rescue boat / Liferaft davit with;
  - Maximum Working Load, MWL = 30 kN
  - Recovery: Maximum 6 persons in rescue boat
- Electric boat winch with;
  - Maximum Working Load, MWL = 30 kN (3 layers)
  - Maximum Hoisting Load, MHL = 30 kN (3 layers)
  - Wire Rope Diameter = 18 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

|                    |            |                                    |
|--------------------|------------|------------------------------------|
| NPT30DR-00DWX      | 2010-01-25 | Overall diag. of Control Box       |
| NPT30DR-00DYL      | 2010-01-25 | Electric and Connection Diagram    |
| NPT30DR-00YYL      | 2010-01-25 | Hydraulic System DWG               |
| NPT30DR-01         | 2010-01-25 | The List of Documents for Approval |
| NPT30DR-02         | 2010-01-25 | Operation/Maintenance Manual       |
| NPT30DR-03         | 2010-01-25 | Spare Part List                    |
| NPT30DR-04         | 2010-01-25 | Design Calculation Sheet           |
| NPT30DR-05         | 2010-01-25 | Test Item                          |
| NPT30DR-06         | 2010-01-25 | General Arrangement                |
| NPT30DR-07         | 2010-01-25 | Base                               |
| NPT30DR-08         | 2010-01-25 | Slewing Tray                       |
| NPT30DR-09-0       | 2010-01-25 | Hydraulic Arrangement              |
| NPT30DR-09-01      | 2010-01-25 | Pump Station                       |
| NPT30DR-09-01-02-0 | 2010-01-25 | Oil Tank                           |
| NPT30DR-10         | 2010-01-25 | Electric Arrangement               |
| NPT30DR-11         | 2010-01-25 | Jib                                |
| NPT30DR-11-01      | 2010-01-25 | Bracket                            |

|                  |            |                     |
|------------------|------------|---------------------|
| NPT30DR-11-02    | 2010-01-25 | Base Plate          |
| NPT30DR-11-03    | 2010-01-25 | Eye Plate           |
| NPT30DR-11-04-0  | 2010-01-25 | Tackle              |
| NPT30DR-11-04-01 | 2010-01-25 | Seat                |
| NPT30DR-11-04-02 | 2010-01-25 | Pulley              |
| NPT30DR-11-04-03 | 2010-01-25 | Bush                |
| NPT30DR-11-04-04 | 2010-01-25 | Shaft               |
| NPT30DR-12-0     | 2010-01-25 | Remote Control Unit |
| NPT30DR-13       | 2010-01-25 | Boat Fall Unit      |
| NPT30DR-14-0     | 2010-01-25 | Limit Switch Unit   |
| NPT30DR-15       | 2010-01-25 | Triangle Plate      |

**Winch:**

(Ref. MNBNA375/NATAS/344.1-002422-J-3 of 2010-03-04)

| <b><i>Drawing No.</i></b> | <b><i>Rev.</i></b> | <b><i>Title</i></b>                |
|---------------------------|--------------------|------------------------------------|
| NPT30DR-02                | 2010-01-25         | Operation/Maintenance manual       |
| NPT30DW-01                | 2010-01-25         | The list of documents for approval |
| NPT30DW-03                | 2010-01-25         | Spare part list                    |
| NPT30DW-04                | 2010-01-25         | Design calculation sheet           |
| NPT30DW-05                | 2010-01-25         | Test Item                          |
| NPT30DW-06                | 2010-01-25         | General arrangement                |
| NPT30DW-07-0              | 2010-01-25         | Reduction gear case set            |
| NPT30DW-07-01-0           | 2010-01-25         | Body case                          |
| NPT30DW-07-02             | 2010-01-25         | Gear                               |
| NPT30DW-07-03             | 2010-01-25         | Shaft                              |
| NPT30DW-07-05A            | 2010-01-25         | Gear Shaft                         |
| NPT30DW-07-05B            | 2010-01-25         | Gear Shaft                         |
| NPT30DW-07-06A            | 2010-01-25         | Gear                               |
| NPT30DW-07-06B            | 2010-01-25         | Gear                               |
| NPT30DW-07-08             | 2010-01-25         | Shaft                              |
| NPT30DW-07-09             | 2010-01-25         | Gear Shaft                         |
| NPT30DW-07-12             | 2010-01-25         | Drum Shaft                         |
| NPT30DW-07-13             | 2010-01-25         | Gear                               |
| NPT30DW-07-17             | 2010-01-25         | Gear                               |
| NPT30DW-07-20             | 2010-01-25         | Shaft sleeve                       |
| NPT30DW-07-21-0           | 2010-01-25         | Clutch                             |

|                  |            |                              |
|------------------|------------|------------------------------|
| NPT30DW-07-21-02 | 2010-01-25 | Out Ring                     |
| NPT30DW-07-21-07 | 2010-01-25 | Column                       |
| NPT30DW-07-27    | 2010-01-25 | Gear                         |
| NPT30DW-08-0     | 2010-01-25 | Speed limiting clutch device |
| NPT30DW-08-03    | 2010-01-25 | Internal friction ling       |
| NPT30DW-08-04    | 2010-01-25 | External friction ling       |
| NPT30DW-08-12    | 2010-01-25 | Nut                          |
| NPT30DW-08-14    | 2010-01-25 | Push rod                     |
| NPT30DW-08-15    | 2010-01-25 | Sheel                        |
| NPT30DW-08-16    | 2010-01-25 | Shaft sleeve                 |
| NPT30DW-08-18    | 2010-01-25 | Spring                       |
| NPT30DW-08-19    | 2010-01-25 | Link                         |
| NPT30DW-08-20    | 2010-01-25 | Friction Ling                |
| NPT30DW-08-23    | 2010-01-25 | Sub shoe                     |
| NPT30DW-09-0     | 2010-01-25 | Remote control drum          |
| NPT30DW-10-0     | 2010-01-25 | Handle unit                  |
| NPT30DW-11-0     | 2010-01-25 | Drum                         |
| NPT30DW-12       | 2010-01-25 | Plate                        |

### Tests carried out

Prototype testing according to IMO MSC81(70) carried out 2010-09-26, witnessed by DNV GL 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

### End of Certificate