

NMAR30 救助艇吊架  
NMAR30 RESCUE BOAT DAVIT

技术规格书  
Technical Specification

宁波新海业救生设备有限公司

NINGBO NEW MARINE LIFESAVING EQUIPMENT CO.,LTD

# 技术规范

## SPECIFICATIONS

### 一. 概述 General

1. 本装置适用于海洋船舶，完全按照现行 SOLAS 要求设计制造，符合 IMO 的 MSC47 (66) 决议“1974 国际海上人命安全公约的修正案”与 MSC48 (66) 决议“国际救生设备规则”的要求，并经过\_\_船级社的检验认可。

The appliance designed and manufactured is in compliance with the requirements of SOLAS performed currently. It meets the requirements of MSC.47(66)---Amendments of the International Convention for the safety of Life at Sea, 1974 and MSC.48 (66)--- International Lifesaving Appliance Code. And inspected and tested under the approval of \_\_\_\_

2. 本吊架能在船舶处于艏倾或艉倾达  $10^{\circ}$ ，并向任何一舷横倾达  $20^{\circ}$  条件下，通过泵站、蓄能器或手动泵，将空载或满载救助艇从存放处转出至舷外，然后依靠艇自身的重力，使艇安全降落入水。

Under conditions of trim by bow or stern of up to  $10^{\circ}$  and list of up to  $20^{\circ}$  either way, it can luff the non-loaded or fully-loaded boat from stowed position to outboard depend on pump station, accumulator or hand pump, then launch it to water surface safely depend on own gravity of boat.

3. 本吊架能以不小于 18m/min 的速度将救助艇从水面吊起，然后变幅降落至存放位置。

The davit can recovery the rescue boat from water surface to stowed position at more than 18m/min speed.

4. 与本降放装置配套的救助艇绞车可通过电机驱动减速器的卷筒收放吊艇索，离心式限速器控制降放速度，凸轮制动器能使艇在降落过程中刹住可靠的系留住。该绞车还设有手动操纵装置。

The winch drives wire drums by means of motor through the reduction spur gears and equipped with centrifugal speed limiting device, manual lowering brake.

5. 本降放装置在绞车上装有固定的电动机，用于起升载有 6 人的救助艇回到存放位置。

A permanently mounted motor on the winch is used for hoisting the rescue boat with 6 persons back to the stowed position.

6. 本吊架的检验和试验满足 IMO 规范 MSC. 81 (70) 及 MSC. 226 (82) 的要求。

The inspection and test of the davit is compiled with requirements of MSC.81(70) & MSC. 226 (82) of IMO rules

## 二. 主要参数 Main parameter

型号 Type	NMAR30
最大工作负载 Max.Working load	30KN
最大起升负载 Max. Hoisting load	30KN
最大下降负载 Max. Lowering load	30KN
最大起升速度 hoisting speed	≥18m/min
降落速度 lowering speed	40~60 m/min
设计状况 Design Condition	20°List+10°trim
起吊钢丝绳 Boat falls	18×19-18-1770-Galv.
起吊高度 hoisting height	25m
卷筒容绳量 Capacity of drum	30m
泵站电动机 Pump Motor:	
功率 Power:	5.5 kw
型号 Model:	Y132S-4-H
防护等级 Protection grade:	IP56
绝缘等级 Class of insulation:	“F”
电制 Power source:	AC380V,50Hz,3 φ
绞车电动机 Winch Motor:	
功率 Power:	11kw
型号 Model:	YZ160L-6-H
防护等级 Protection grade:	IP56
绝缘等级 Class of insulation:	“F”
电制 Power source:	AC380V,50Hz,3 φ
启动方式 Start method:	直接启动/Direct
满足 IEC 规范要求 Complete with IEC requirement:	
变压器提供 42VAC 电源给救助艇充电电源	
The transformer supply 42VAC power for rescue boat charger	
自重 Self weight:	davit -----Approx.~ 2200 kg

## 1 供货范围 Scope of our supply

- 1set NMAR30 救助艇吊架 complete set of davit
- 1set 电动救助艇绞车 complete set of electric rescue boat winch
- 1set 液压系统 Control panel of hydraulic system
- 1set 电控箱带按钮盒 Electric Control Box with Push button (IP56)
- 1set 操作指示牌 Operating plate
- 1set 随机文件 Technical documents with the product
- 相关图纸 necessary drawings
- 使用说明书 operation instruction
- 备件清单 list of spare parts
- 产品合格证书 certificate of quality
- 船检证书 certificate for marine product

## 四. 不包括在供货及服务范围内的

### Items excluded from our supply:

- 甲板上的电缆 Cable on the deck
- 齿轮油 Gear oil
- 船上试验 Performing in board test
- 船上安装（吊艇架需拆卸运输）Assembly (after the work endurance test, the davit is dismantled for shipment and installed on offshore)

## 五. 油漆 Painting

### 1. 表面处理: 除锈达 2.5 级

Surface treatment: shot blasting Sa2.5 before primer painting

### 2. 环氧底漆 Primer painting: 西格玛 SIGMA COVER 380 80u(dry)