

SPECIFICATION  
OF 30KN RESCUE BOAT LAUNCHING APPLIANCE

30KN 救助艇降放装置  
规格书

DRAWING NO.: NM30-21

COMPILED BY:

VERIFIED BY:

AUDITED BY:

宁波新海业救生设备有限公司

NINGBO NEW MARINE LIFESAVING EQUIPMENTCO., 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 CCS 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 CCS

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 48m/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 48m/min speed.

4. 本吊架设计有液压变幅机构，在无电源时，可通过蓄能器或手动泵来达到变幅的目的。

The davit has a set of hydraulic luffing mechanism, when no power, it can luff the boat to outboard depend on accumulator or hand pump.

7. 本降放装置可以回收 6 人的救助艇至存放位置。

This appliance may recover the rescue-boat with 6 persons to stowed position.

8. 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	NM30
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	≥48m/min
降落速度 lowering speed	40~60 m/min
设计状况 Design Condition	20 <sup>0</sup> List+10 <sup>0</sup> trim
起吊钢丝绳 Boat falls	18×19-18-1770-Galv.
起吊高度 hoisting height	30m
泵站电动机 Pump Motor:	
功率 Power:	45 kW
型号 Model:	Y225M-4-H
防护等级 Protection grade:	IP56
绝缘等级 Class of insulation:	“F”
电制 Power source:	AC380(440)V,50(60)Hz,3 φ
启动方式 Start method:	星三角 Y-△

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. 3600 kg

配小艇型号 Type of boat: NM60R

尺寸 Dimensions: L×B×H=6.00×2.30×0.87 (m)

空艇重(包括所有属具)Weight of empty boat (including all equipment): 1486kg

总重(13 人)Total weight of boat with 13P: 2559kg

带有被动波浪补偿和防摇摆系统

With constant tension by hand and anti pendulum system .

### 三. 供货范围 Scope of our supply

1set	NM30 救助艇吊架 complete set of davit
1set	液压绞车 complete set of hydraulic 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            液压备件 Spare parts of hydraulic system
- 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. 底漆: 环氧富锌底漆----- $2 \times 50 \mu m$

Primer paint: zinc epoxy----- $2 \times 50 \mu m$