

FREE-FALL LIFEBOAT LAUNCHING  
APPLIANCE

70KN 自由降落式救生艇降放装置

Technical Specification  
技术规格书

NINGBO NEW MARINE LIFESAVING EQUIPMENT CO.,LTD  
宁波新海业救生设备有限公司

## 1. General 概述

1.1 本降放装置用于收放自由降落式救生艇，安装于船舶尾部。

The launching appliance is a special equipment for lowering and recovering free-fall lifeboat.

1.2 降放装置的性能符合“1974年国际海上人命安全公约的修正案[MSC.47(66)]以及国际救生设备规则[MSC.48(66)]”的要求,并且符合船级社规范要求。

The design of the davit confirms to the requirements of the “1974 SOLAS MSC.47(66) and international LSA Code MSC.48(66), and also can be approved by CCS classification society.

1.3 本降放装置可以依靠液压驱动力，利用油缸推动吊臂将救生艇顶出舷外，并依靠液压绞车将救生艇放下水中。

This launching appliance is capable of pushing the fully laden lifeboat to full outboard position through the hydraulic oil cylinder and then the lifeboat lowers to water surface depended on hydraulic winch.

1.4 本降放装置也可以在艇内打开释放钩，使救生艇自由降落入水。

The lifeboat may freely fall into water by opening the release mechanism from a position within the lifeboat.

1.5 本降放装置能将载有4人的救生艇回收至存放位置。

This appliance may recover the lifeboat with 4 persons to stowed position.

1.6 本降放装置根据IMO规则MSC81.(70)及MSC226.(82)进行检查、试验。

This inspections and tests of the appliance with the testing of life-saving appliances MSC.81(70) and MSC.226(82).

## 2. 主要参数

型号 model	:	NMF70KN
最大工作负荷 Max working load	:	70 KN
最大起升负荷 Max hoisting load	:	45 KN
救生艇起升速度 Hoisting speed of boat	:	≥3.0 m/min
设计工况 Design condition	:	20°List+10°trim
钢丝绳规格 Boat falls size	:	18X19-20-1770,GALV.
电源 Power	:	AC380V,50Hz,3φ
电动机 Motor	:	Y160L-4-H
功率 Power	:	15kW
防护等级 Protection grade	:	IP56

绝缘等级 Class of insulation : “F”

重量 Self weight : Approx. 6500 kg

### 3. 救生艇 boat

型号 Type: NM67FC

主尺度（长 X 宽 X 高）Dimensions(LXBXH): 6.70x2.75x3.20(m)

人数 Qty of persons:

总重 Total boat weight:

### 4. 供货范围 Scope of our supply

每船套提供 1(one) ship sets consisting of :

1 set 自由降落式救生艇降放装置 A complete set of launching appliance

1 set 整套液压绞车 A complete of hydraulic system

1 set 电气控制箱 Control box(IP56)

1 set 遥控按钮盒 Remote push box(IP56)

1 set 备件 Spare parts

-----必须的钢丝绳索 Boat fal and all necessary rope

### 5. 供货范围不包括 item excluded from our supply:

- 甲板上的电缆 cable on the deck

- 液压油 hydraulic oil

- 甲板上的试验 performing on-board test

- 艇架的组装及试验 assembly(After the works endurance test, the davit is dismantled for shipment and installed on ship)

### 6. 油漆 painting

表面处理 Surface preparation : 喷沙 SA 2.5 Shotblast to SA 2.5

底漆 Primer coating : 环氧富锌底漆 Zinc Epoxy primer