

40KN 重力倒臂吊艇架
Gravity luffing arm type 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

1. 概述 GENERAL REQUIREMENTS

1-1 本吊艇架的制造和试验经过船级社认可。并满足 MSC.47 (66) — “1974 年国际海上人命安全公约的修正案” 及 MSC.216(82)和 MSC.48 (66) — “国际救生设备规则” 及 MSC.218(82)的要求。

The davit is manufactured and test under the approval of Classification Society in compliance with the requirements of the MSC.47 (66) and MSC.216(82)-Amendments to SOLAS 1974 & MSC.48 (66) and MSC.218(82)-LSA.

1-2 本吊艇架是从存放位置登艇。救生艇能在较短的时间内，没有任何停顿、连续地下放至水面。

The davit to be designed for embarkation when the boat in stowed position. The boat may be lowered without stopping in a continuous movement at a minimum time.

1-3 救生艇通过遥控下放。操作人员在艇内通过小卷筒上的遥控钢丝绳遥控起艇机刹车重锤，可使救生艇顺利下放或停止。操作人员也可以在甲板上直接操作刹车重锤。

The boat can be lowered by means of remote control. The crew can release and stop the hand brake of the winch from inside of the boat by wire connection to the brake arm and wire spool on the small drum. Alternatively the crew can operate the hand brake on the deck.

1-4 在救生艇的头部和尾部各有套系艇装置，捆绑住救生艇。防止救生艇在风浪中摇晃。

Lashing arrangement for boat can be released manually by using the slip hooks on forward and aft lashing.

1-5 装有电动机的绞车是来回收带有接乘员的救生艇，并返回至登乘甲板。

A permanently mounted electric motor on the winch is used for hoisting the life boat with persons back to the **DECK** position.

1-6 本绞车上有个单向离合器和带有安全装置的摇手柄。

The winch drives are equipped with one-way brake and manual hoisting crank with safety device.

1-7 本产品根据海安会决议 MSC.81 (70) 和 MSC.226(82)由船级社进行检验和试验。

The inspections and tests of davit appliances to be in accordance with the IMO Resolutions MSC81(70) and MSC.226(82) and approved by classification society .

2. 技术参数 TECHNICAL SPECIFICATIONS

型号 Model:	艇架 Davit ----- NMD40KN 绞车 Winch ----NMW25KN 救生绞车 NMW25KN lifeboat winch
艇架工作负荷 Davit load:	Max. 40 KN
绞车工作负荷 Winch load:	Max. 25 KN
适用艇 Type of boat:	6.5 米开敞式救生艇 6.5m open type lifeboat
艇架下放负荷 Lowering load of davit:	最小 17.8KN, 最大 40 KN Min. 17.8 KN, Max. 40 KN
回收负荷 Recovering load	最大 Max. 19.4KN
下放速度 Lowering speed:	$S=(0.4+0.02 \times H)$ (满负荷 Full laden boat) S-- m/min H—m
救生艇下放速度 Lowering speed of lifeboat:	70-80m/ min)
起升速度 Hoisting speed:	≥ 10.0 m/min (救生/life)
吊艇架安装高度 Installation height to waterline:	到轻载水线高度____ m Max. _____ meters
吊臂头部至甲板高度 Davit arm installation height:	最大高度 <u>4.8</u> m Max. height available <u>4.8</u> meter
设计工况 Designed condition:	横倾 20° +纵倾 10° Heel 20° +Trim 10°
钢丝绳型号 Boat falls:	18×7-  14-1770-镀锌防旋 (GB8918-1996)
电制 Power source:	380V, 50Hz, 3 phases
电动机参数 Motor data : 救生用 Life Function: 功率 Power: 型号 Model: 防护等级 Protection grade:	3.5 kW JZ2-H13-4 IP56

绝缘等级 Insulation class	F
自重 Self-weight:	艇架 Davit---- ~2800 kg/set 救生绞车 Life Winch---- ~500 kg/set
启动方式 Electric starting Method:	直接启动 Direct

3. 材料 MATERIAL

座架和吊臂 Frame & arm: 中碳钢 Mild steel
绞车箱体 Winch casing: 中碳钢 Mild steel
齿轮 Gear: 碳钢 Carbon steel

4. 制造厂的供货范围 SCOPE OF JIANGYIN SUPPLY

1 套艇架的供货范围如下:

1 sets 完整的艇架

A complete set of davit

1 set 完整的救生艇绞车

A complete set of life boat winch

2 sets 艇架限位开关(IP56)

Limit switch of davit (IP56)

2 sets 绞车限位开关(IP56, 已安装在绞车上)

Limit switch of winch (IP56) (Having been mounted on the winch)

1 set 电控箱 (救生绞车)

Control box of lifeboat winch

1 set 按钮 (救生绞车)

Push button (for lifeboat winch)

-----所有绳索 All necessary wire

-----系艇装置 fastening unit

-----艇支撑及遥控装置 Boat support and Remote control device

-----支撑横杆及登艇路台 Strut and boat support and platform

5 船厂提供 Item excluded from maker supply

1) 甲板电缆 Cable on the deck

- 2) 齿轮油 Hydraulic oil , gearbox oil
- 3) 甲板试验 Performing on-board test
- 4) 甲板安装 Assembly (After the works endurance test, the davit is dismantled for shipment and installed on offshore)

6. 油漆方法 PAINTING METHOD

表面除锈 Surface preparation:

喷丸 Shotblast to SA2.5

底漆 Primer paint:

环氧富锌底漆 702 zinc epoxy prime 80μ (dry)