

55KN 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 Manufacturing and testing of davit approved by Classification Society, and 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 davits are boarded from the stowed position.and the Lifeboat can in a short period of time, without any pause, continuously delegated to the surface of the water.

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。

Devolution of lifeboats by remote control. The operator In the lifeboat control the remote in rope reel on a small boat engine brake hammer, lifeboat will be successfully decentralized or stopped. The operator can also operate the brakes on the deck weight.

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。

In the head and tail of lifeboat boat have one devices in series, tied down lifeboat. Prevent shaking lifeboat in the storm.

1-5 装有电动机的绞车是来回收带有接乘员的救生/助艇，并返回至登乘甲板。

The winch with motor access to recover the crew of rescue / help boat , return to the embarkation deck.

1-6 本绞车上有个单向离合器、圆盘型的轴向离合器和带有安全装置的摇手柄。

There is a one-way clutch, clutch disc-type axial and shake the handle with a safety device on the winch.

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。

This product is based on MSC resolution MSC.81 (70) and MSC.226 (82) for inspection and testing by the classification societies.

2. 技术参数 TECHNICAL SPECIFICATIONS

型号 Model:	艇架 Davit ----- NMD55KN 绞车 Winch ----NMW42L 救生绞车- (位于右舷) NMW42L lifeboat winch ---- NMW42R 救生/救助- (位于左舷) NMW42R life/rescue boat winch
艇架工作负荷 Davit load:	Max. 55 KN
绞车工作负荷 Winch load:	Max. 42 KN
适用艇 Type of boat:	NM50F 全封闭救生艇及救助艇 NM50F Totally Enclosed Type Life Boat And Rescue Boat
艇架下放负荷 Lowering load of davit:	最小 20 KN, 最大 55 KN Min. 20 KN, Max. 55 KN
回收负荷 Recovering load	最大 Max. 35KN
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:	95-120m/ min)
起升速度 Hoisting speed:	≥ 12.0 m/min (救生 life) ≥ 36.0 m/min (救助 rescue)
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 5.25 m Max. height available <u>5.25</u> meter
设计工况 Designed condition:	横倾 20^0 +纵倾 10^0 Heel 20^0 +Trim 10^0
钢丝绳型号 Boat falls:	18×7-14-1870-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: 救生/救助用 Life/Rescue Function: 功率 Power 型号 Model: 防护等级 Protection grade: 绝缘等级 Insulation class	5.5 kW YZ132M-6-H 15 kW YZ180L-6-H IP56 F
自重 Self-weight:	艇架 Davit---- ~3,200 kg/set 救生绞车 Life Winch---- ~650 kg/set 救生/救助绞车 Life/Rescue Winch---- ~720 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:

2 sets 完整的艇架 A complete set of davit

1 set 完整的救生艇机
A complete set of life boat winch

1 set 完整的救生/救助艇机
A complete set of life/rescue boat winch

2 sets 遥控滑轮
Remote control pulley

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)

1 set 电控箱 (救助绞车)
Control box of rescue boat winch

1 set 按钮 (救助绞车)
Push button (for rescue boat winch)

-----所有绳索 All necessary wire

-----系艇装置 fastening unit

-----悬挂装置及回收装置 Hanging-off unit and recover 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)