



## **WUXI DONGWU MARINE EQUIPMENT CO., LTD**

Add:TANCUN INDUSTRIAL PARK,ZHAQIAO TOWN,XISHAN DISTRICT,  
WUXI CITY, JIANGSU PROVINCE, CHINA

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### **Authorization Letter**

REGISTER No: DW20200118001

ISSUED DATE: Jan .18.2020

LIFEBOAT DAVIT& WINCH INSPECTION OF  
SOLAS Regulation III 20.3.2 and IMO/MSC.1/Circular 1206 rev.01/MSC.402 (96)

Dear Sirs:

This letter of Approval is to certify that our organization has an agreement with

### **FIRETRACE SAFETY TEC PTE LTD.**

Address :

5 Soon Lee Street. #02-02 Pioneer Point Singapore 627607

Tel: 0065 62511731

E-mail : sales@firetracesafety.com.sg

under which the aforesaid service organization holds the rights to execute all inspections and repair works of Boat Davits and Winches(manufactured by **Wuxi Dongwu Marine Equipment Co.,ltd.**)

The above authorization is valid for a period of two years from Jan.18.2020 to Jan.17.2023.

WUXI DONGWU MARINE EQUIPMENT CO., LTD



## 重力倒臂式吊艇架

Gravity Luffing Arm Davit

| 吊艇架型号<br>Type of Davit | 图号<br>Drawing No. | 最轻放艇负荷<br>Min. Lowering load<br>(kN)W1 | 最大工作负荷<br>Max. working<br>load (kN)W2 | 最大回收负荷<br>Min. recovery load<br>(kN) W3 |
|------------------------|-------------------|----------------------------------------|---------------------------------------|-----------------------------------------|
| 18kN                   | 215DW18C-00       | 10                                     | 18                                    | 14                                      |
| 25kN                   | 215DW44-56-00     | 13                                     | 28                                    | 19                                      |
| 40kN                   | 215DW40C-00A      | 16                                     | 42                                    | 28                                      |
| 50kN                   | 215DW50-00        | 25                                     | 50                                    | 38                                      |
| 60kN                   | 215DW60-00        | 24                                     | 68                                    | 45                                      |
| 60kN                   | 215DW60L-00       | 20                                     | 60                                    | 42                                      |
| 85kN                   | 215DW85-00        | 32                                     | 85                                    | 48                                      |
| 110kN                  | 215DW549-00       | 35                                     | 110                                   | 60                                      |
| T2.5                   | 215DW506-00       | 12                                     | 25                                    | 46                                      |
| Sk50                   | 215DW508-00       | 12                                     | 50                                    | 26.2                                    |

## 重力滑轨式吊艇架

Gravity SlidingTrack Davit

| 吊艇架型号<br>Type of Davit | 图号<br>Drawing No. | 最轻放艇负荷<br>Min. Lowering<br>load(kN) W1 | 最大工作负荷<br>Max. working<br>load(kN) W2 | 最大回收负荷<br>Min. recovery<br>load(kN)W3 |
|------------------------|-------------------|----------------------------------------|---------------------------------------|---------------------------------------|
| 25kn 滑轨式               | 215DW25H-00       | 12                                     | 25                                    | 19                                    |
| 30kN 滑轨式               | 215DW30H-00       | 13                                     | 30                                    | 26                                    |

## 自由降落式救生艇降放装置

Free-fall Lifeboat Launching Appliance

| 艇架型号<br>Type of<br>Davit | 图号<br>Drawing No. | 安全工作<br>负荷<br>Safe<br>working<br>load<br>(kN) | 最轻降放<br>负荷<br>Min. lowering<br>load<br>(kN) | 最大回收负<br>荷<br>Max.<br>recovery<br>Load<br>(kN) | 起艇速度<br>Hoisting<br>speed<br>(m/min) | 液压系统工作压<br>力<br>Working pressure<br>of hydraulic<br>systems<br>(MPa) |
|--------------------------|-------------------|-----------------------------------------------|---------------------------------------------|------------------------------------------------|--------------------------------------|----------------------------------------------------------------------|
| F55                      | 215DW-F55-00      | 55                                            | 27                                          | 42                                             | ≥3                                   | 17.5                                                                 |
| F70                      | 215DW-F70-00      | 70                                            | 37                                          | 50                                             | ≥3                                   | 17.5                                                                 |
| NPT100F                  | NPT100F-06        | 110                                           | 40                                          | 68                                             | ≥3                                   | 17.5                                                                 |



# 救助艇/筏降放装置

Rescue Boats/liferafts Launching Appliances

| 产品型号<br>Model                                          | 21kN<br>手动(maual)                     | 21kN 电动<br>(Electrical) | 21kN 电动/液压<br>(Electrical /<br>hydraulic) | 25kN 电动/液压<br>(Electrical /<br>hydraulic) | 35kN 电动/液压<br>(Electrical /<br>hydraulic) |
|--------------------------------------------------------|---------------------------------------|-------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| 图号<br>No. of drawing                                   | 215DW-21-4-00                         | 215DW-21-4D-00          | 215DW-21-4Y-00                            | 215DW-25-4Y-00                            | 215DW35-00                                |
| 工作负荷<br>Working Load                                   | 21 kN                                 | 21 kN                   | 21 kN                                     | 25kN                                      | 35kN                                      |
| 回转负载<br>Slewing Load                                   | 14 kN                                 | 14 kN                   | 14 kN                                     | 14 kN                                     | 31kN                                      |
| 起升负荷<br>Hoisting Load                                  | 14 kN                                 | 14 kN                   | 14 kN                                     | 14 kN                                     | 31kN                                      |
| 起升速度<br>Hoisting Speed                                 | $\geq 18\text{m/min}$                 | $\geq 18\text{m/min}$   | $\geq 18\text{m/min}$                     | $\geq 18\text{m/min}$                     | $\geq 18\text{m/min}$                     |
| 降放速度<br>Launching<br>Speed                             | 50m/min                               | 50m/min                 | 40-60m/min                                | 40-60m/min                                | 40-60m/min                                |
| 电能回转角度<br>Slewing Angle<br>of Electric<br>Power        | /                                     | $\leq 330^\circ$        | $\leq 330^\circ$                          | $\leq 330^\circ$                          | $\leq 330^\circ$                          |
| 电能回转速度<br>Slewing Speed<br>of Electric<br>Power        | /                                     | $\geq 0.8/\text{min}$   | $\geq 0.25\text{r/min}$                   | $\geq 0.25\text{r/min}$                   | $\geq 0.25\text{r/min}$                   |
| 蓄能回转角度<br>Slewing Angle<br>of Accumulator              | /                                     | /                       | $\leq 110^\circ$                          | $\leq 110^\circ$                          | $\leq 110^\circ$                          |
| 蓄能回转速度<br>Slewing Speed<br>of accumulator              | /                                     | /                       | 0.6-0.8r/min                              | 0.6-0.8r/min                              | 0.6-0.8r/min                              |
| 工作半径<br>Working adius                                  | $\leq 4.5\text{m}$                    | $\leq 4.5\text{m}$      | $\leq 5.5\text{m}$                        | $\leq 5.5\text{m}$                        | $\leq 5.5\text{m}$                        |
| 允许工作倾角<br>Allowable<br>working<br>Inclination<br>Angle | 纵倾 trim $10^\circ$ 横倾 heel $20^\circ$ |                         |                                           |                                           |                                           |

# 电动起艇绞车

Electrical Boat Winch

| 绞车型号<br>Type of Winch | 图号<br>Drawing No. | 最大工作负载<br>Max. working load (kN) | 起升负载<br>Hoisting Load (kN) | 最轻降放负载<br>Min. lowering load (kN) | 起升速度<br>Hoisting speed (m/min) | 下放速度<br>Launching Speed (m/min) |
|-----------------------|-------------------|----------------------------------|----------------------------|-----------------------------------|--------------------------------|---------------------------------|
| DZY/Z21               | 241DW548-00       | 21                               | 14                         | 2                                 | 18                             | ~50                             |
| DS*ZY25               | 241DW512-00       | 25                               | 15                         | 13                                | 10                             | 70-80                           |
| DZ*ZY25               | 241DW530-00       | 25                               | 15                         | 13                                | 10/36                          | 90-110                          |
| DS*ZY40               | 241DW513-00       | 40                               | 20                         | 16                                | 10                             | 80-90                           |
| DZ*ZY40               | 241DW516-00       | 40                               | 22                         | 16                                | 10/36                          | 90-110                          |
| D50S/Z                | 241DW528-00       | 50                               | 28                         | 9                                 | S:10 Z:36                      | 95-110                          |
| DS*ZY63               | 241DW526-00       | 63                               | 30                         | 24                                | 10                             | 90-110                          |
| DZ*ZY63               | 241DW527-00       | 63                               | 30                         | 24                                | 10/36                          | 85-110                          |
| D63S/Z                | 241DW538-00       | 63                               | 30                         | 24                                | S:10 Z:36                      | 85-110                          |
| 80kN                  | 215DW548-00       | 80                               | 40                         | 20                                | S:10 Z:36                      | 85-110                          |

# 救助艇降放装置

Rescue Boats Launching Appliances

| 艇架型号<br>Type of Davit | 图号<br>Drawing No. | 安全工作负荷<br>Safe working load (kN) | 起升负荷<br>Hoisting Load (kN) | 降放速度<br>Launching Speed (m/min) | 起艇速度<br>Hoisting speed (m/min) | 液压系统工作压力<br>Working pressure of hydraulic systems (MPa) |
|-----------------------|-------------------|----------------------------------|----------------------------|---------------------------------|--------------------------------|---------------------------------------------------------|
| A30                   | 215DW-A30-00      | 30                               | 30                         | 40-60                           | $\geq 18$                      | 17.5                                                    |
| H35                   | 215DW-H35-00      | 35                               | 35                         | 40-60                           | $\geq 36$                      | 17.5                                                    |





**WUXI DONGWU MARINE EQUIPMENT CO., LTD**

## **CERTIFICATE**

Name : XIE YU

Sex: Male

Country : SINGAPOREAN

Passport No. : K0358911E

Cert. No.: PT20200118002

Name of Service Company:

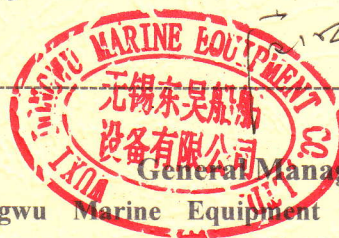


**FIRETRACE SAFETY TEC PTE LTD.**

E-mail : sales@firetracesafety.com.sg

The said student has been trained by this company and passed the exam satisfactorily, and now authorized to inspect (annual & five yearly), service, repair maintain test & recertify our launching appliance of equipment (list attached ), as per latest IMO Resolution MSC.402(96).

This certificate is valid to Jan.17.2023



General Manager  
Wuxi Dongwu Marine Equipment Co., Ltd

Date: Jan.18.2020



**WUXI DONGWU MARINE EQUIPMENT CO., LTD**

## **CERTIFICATE**

Name : LEE WEI JIAN

Sex: Male

Country : MALAYSIAN

ID No. : S9270874H

Cert. No.: PT20200118001

Name of Service Company:



**FIRETRACE SAFETY TEC PTE LTD.**

E-mail : [sales@firetracesafety.com.sg](mailto:sales@firetracesafety.com.sg)

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**General Manager**  
Wuxi Dongwu Marine Equipment Co., Ltd  
Date: Jan.18.2020