

# TECHNICAL DESCRIPTION

## RESCUE BOAT HANDLING

### DAVIT, TYPE Rhs.13/3,5



**Type of system:** Hydraulically driven Slewing Davit

**The system will allow:**

- turning-out of the fully loaded rescue boat by hydraulic power
- controlled lowering on gravity of the fully loaded rescue boat to the water level by a winch with centrifugal brake
- recovery of the craft with the designated crew by the winch with a speed of 18 m/min

**Scope of Supply per system:**

- one davit pedestal suitable for welding to deck with bolts, nuts and washers
- one davit column for assembly to the pedestal with integrated hydraulically driven slewing gear and motor
- one davit arm in box shape construction
- one rescue boat winch with wire drum connected to an oil bath lubricated gearbox, centrifugal brake system, dead-man type stop brake, fixed electric motor and cranking gear for manual recovery
- one hydraulic power unit with accumulator, pressure relief valve, pressure switch, inspection drain valve, manually operated control valve and hand pump for manual slewing
- one electric starter box with integrated push buttons
- one set of limit switches in IP56
- one galvanised (anti corrosion) non-rotating steel wire rope
- one hook for rescue boat
- one remote control system for lowering of the "stop-go" type

## TECHNICAL DATA

**System data:**

SWL: 13 kN  
Outreach: 3.500 mm

List/trim conditions: 20° / 10°  
Slewing speed: 1 rpm  
Slewing angle stored power: 90°  
Slewing angle: 135°

Pedestal height: 175 mm

1 / 2

TED-Rhs.13-3,5-01-08399-sm

Global Davit GmbH - Survival- & Deck Equipment

Graf-Zeppelin-Ring 2  
D-27211 Bassum  
Postfach 1308  
D-27203 Bassum  
Telefon: +49 42 41-93 35-0  
Telefax: +49 42 41-93 35-25  
E-Mail: [info@global-davit.de](mailto:info@global-davit.de)  
Internet: [www.global-davit.de](http://www.global-davit.de)

Kreissparkasse Syke  
(BLZ 291 517 00) Kto.-Nr. 131 000696 8  
IBAN: DE20 2915 1700 1310 0069 68  
BIC: BRLADE21SYK

Commerzbank Diepholz  
(BLZ 256 413 02) Kto.-Nr. 6205603  
IBAN: DE17 2561 1302 0620 5603 00  
BIC: COBADEFF

HRB 111084 AG Walsrode  
VAT Nr. DE 812 799 894  
Geschäftsführer:  
H.D. Bergmann

**Winch data:**

SWL on winch drum: 17,6 kN  
Hoisting speed of load: 18 m/min at full load  
Oil quantity: 1 l

**Electric data:**

Motor voltage: 440/380 V  
Cycles: 60/50 Hz  
Speed: 1450 rpm  
Protection: IP56  
Isolation class: F

- **Motor of winch:**  
Power consumption: approx. 5,5 kW  
Standby anti-condensation heating elements: 1 phase, 230 V, 25 W  
Duty: S2-10min  
Nominal current: 16 A  
Starting current: 60 A
- **Motor of hydraulic unit:**  
Power consumption: approx. 1,1 kW  
Duty: S2-10min  
Nominal current: 3 A  
Starting current: 12 A
- **Controls:**  
Starter box: on deck IP56  
Push button box: integrated

**Total weight of the system:** approx. 1.100 kg

**Project drawings:** 2-0608a (principle drawing)

**Requirements/factory test:**

Rules: SOLAS  
Flag state: to be confirmed  
Classification: ABS

