



Global Davit GmbH  
Survival- & Deck Equipment

**Operation & Maintenance  
manual 0700AB01  
Life- / Rescue boat system and  
Lifeboat system Gsp.FPh.80/2,8**

PRELIMINARY

<b>Davit system</b>	life- / rescue boat system Gsp.FPh.80/2,8
<b>Yard</b>	Gardline Marine Sciences Pty.Ltd. Osborne Park Australia
<b>Hull nr.</b>	"Tokaj"
<b>Supplier</b>	Global Davit GmbH 27211 Bassum Germany
<b>Suppliers reference nr.</b>	0700AB01
<b>Classification Flag state Requirements</b>	MED issued by Germanischer Lloyd St. Vincent & Grenadines SOLAS 1974, with latest amendments

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## Life- / Rescue boat system and Lifeboat system Gsp.FPh.80/2,8

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### 1.0. PARTICULARS

In this chapter the generalities of the life saving appliance above mentioned and of this manual will be given.

### 1.1. TECHNICAL DATA

#### 1.1.1. Davit

Davit system	
• starboard	life- / rescue boat system
• portside	lifeboat system
System type	Gsp.FPh.80/2,8
S.W.L.	37,8 kN /arm
Keel travel	4,1 m

#### 1.1.2. Winches

Winch type	
• life- / rescue boat	W04R.03.01
• lifeboat	W04L.01.01
S.W.L. on winch drum	33,3 / 30,1 kN
Hoisting speed	
• life- / rescue boat - high speed	19,5 m/min(boa
- low speed	min. 36 m/min (boat)
• lifeboat - high speed	7,8 m/min(boa
- low speed	min. 36 m/min (boat)
Oil capacity gearbox	approx. 4,5 l
Oil capacity freewheel coupling	life-time lubricated

#### 1.1.3. Craft

Craft to be launched	life- / rescue boat
Make	Normar
Type	Telb 7,5AT
Permissible capacity, during	
• turning-out	50 persons
• launching	50 persons
• recovery	6 persons
Dimensions	7,50*2,90*1,10 m
Empty weight in equipped condition	35,08 kN
Recovery mass	39,58 kN
Weight, fully equipped and boarded	72,58 kN

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### 1.1.4. Electric data

Voltage 440 V  
Cycles 60 Hz

#### Starter box

Enclosure IP56 (on-deck)  
Control voltage 220 V

#### Push button box

Enclosure IP56 (on-deck)

#### Winch life-/rescue boat system

Motor power, high/low speed 23,9 kW  
Rated current, high/low speed 46,4 A  
Starting current 255 A  
Motor heater 40 W

#### Winch lifeboat system

Motor power, high/low speed 8,8 kW  
Rated current, high/low speed 20,1 A  
Starting current 100A  
Motor heater 40 W

#### Hydraulic power unit

Motor power 4,8 kW  
Rated current 10 A  
Starting current 60 A

### 1.1.5. Hydraulic data

Oil flow 9,8 l/min  
Maximum pressure 250 bar  
Tank capacity 90 l  
Accumulator size 2 \* 25 l  
Pre-fill pressure of accumulator 80 bar  
Minimum accumulator pressure 225 bar  
Maximum accumulator pressure 250 bar

### 1.1.6. Wire rope falls

Type 17SRS  
Required minimum breaking strength 114 kN  
Actual minimum breaking load 145 kN  
Diameter 14 mm  
Length - davits 1 SB and 2 PS 33 m  
          - davits 3 SB and 4 PS 37 m