


**Generalities;**

System application	: Rescue-boat handling system
Certification	: CE  marking (Marine Equipment Directive 2014/90/EU)
Certificate number davit	: 51492/A0 MED
Certificate number winch	: 50916/A0 MED
Rules and regulations	: IMO/SOLAS Chapter III requirements (LSA code)
Approval conditions	: 20°/10° list/trim
Certification authority (IACS)	: Bureau Veritas (Marine & Offshore)

**System Data;**

Type description	: CH-144 17-4,0 R
Drawing number	: C3-0400
Drawing execution	: Right Hand version ( <i>left hand execution is mirror image</i> )
System execution	: Hydraulic Slewing Davit
Slewing Angle (maximum)	: approx. 100 degrees ( <i>increase angle optional available</i> )
System weight	: approx. 2230 kg ( <i>dry weight without oil and lubricants</i> )
SWL (Safe working load) rescue boat	: 17kN
Working Radius	: 4000 mm
Lowering height (standard delivery)	: 25mtr effective <i>Note: - 3 safety winding will remain on drum - Increased lowering height optionally available</i>
Min. design temperature (standard)	: -20°C ( <i>-40°C + winterization package optional available</i> )
Means of hoisting (Normal operation)	: Electric motor
Hoisting speed	: 18mtr/min acc. IMO/SOLAS regulations
Means of hoisting (Emergency)	: Manually
Lowering	: Gravity lowering as per IMO/SOLAS regulations
Lowering speed	: As per IMO/SOLAS rules and regulations
Slewing	: Hydraulic, 17kN
Wire rope diameter and execution	: 14 mm, Non-rotating, Galvanised
Wire rope MBL (minimum breaking Load)	: 102 kN
Winch manufacturer	: Maritime Deck Machinery
Winch type	: W-6116 E
Winch minimum launching load	: approx. 100kg

**Electrical system;**

Supply voltages	: 380V/400V/415V-50Hz or 440V-60Hz <i>(other voltage available upon request)</i>
Power consumption winch	: approx. 11kW
Power consumption hydraulic system	: approx. 3kW
Motor duty rating	: S2-10 min
Motor starters	: DOL ( <i>Direct on Line</i> )
Starter cabinet position	: Mounted on crane
Electric enclosures (Cabinet, E-motor, etc.)	: IP56 minimum
Anti-condensation protection	: Cabinet heater, Electric motor heater

**Hydraulic system;**

Tank execution	: Stainless steel, grade 316
System pressure	: 280-290 Bar ( <i>max. pressure 300Bar</i> )
Component location (E-motor, pump, valves, etc.)	: Inside tank for maximum protection
Oil capacity	: approx. 70 ltr
Accumulator capacity	: approx. 35 ltr
Accumulator type	: Bladder/Nitrogen type

**Paint systems;**

Primer	: Standard execution
	<u>Optional:</u>
	<i>Multi-layer and Metallization available upon request</i>

**Optionally available;**

Pedestal and fastening materials	: Steel, Primer finish for welding to deck.
Release hook	: As per IMO/SOLAS rules and regulations
Boat cradle	: Steel, Hot dip galvanized