


Generalities;

System application	: Rescue-boat & Liferaft handling system
Certification	: CE  marking (Marine Equipment Directive 2014/90/EU)
Certificate number davit	: 51489/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-52 15/12-3,5 LR
Drawing number	: C3-0208
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 optionally available</i>)
System weight	: approx. 1610 kg (<i>dry weight without oil and lubricants</i>)
SWL (Safe working load) rescue boat	: 12kN
SWL liferaft	: 15kN
Working Radius	: 3500 mm
Lowering height (standard delivery)	: 25mtr effective <i>Note: - 3 safety winding will remain on drum - Increased lowering height optional 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
Empty hook hoisting (<i>Quick Return</i>)	: Manually
Lowering	: Gravity lowering as per IMO/SOLAS regulations
Lowering speed	: As per IMO/SOLAS rules and regulations
Slewing rescue-boat	: Hydraulic, 12kN
Slewing liferaft	: Hydraulic, davit positioning with empty liferaft
Wirerope diameter and execution	: 14 mm, Non-rotating, Galvanised
Wirerope MBL (minimum breaking Load)	: 90kN
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. 7kW
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 <i>Optional:</i> <i>Multi-layer and Metallization available upon request</i>
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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