

Generalities;

System application	: Rescue-boat handling system
Certification	: CE  marking (Marine Equipment Directive 2014/90/EU)
Certificate number davit	: 51500/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	: DAF-275 E
Drawing number	: C3-0500
System execution	: Hydraulic Pivot Davit
System weight	: approx. 2080 kg (<i>dry weight without oil and lubricants</i>)
SWL (Safe working load)	: 27.5 kN
Outreach deck edge	: Approx. 2127 mm
Outreach davit edge	: Approx. 2587 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
Pivoting	: 27.5kN load, Hydraulic, accumulated stored power
Lowering	: Gravity lowering as per IMO/SOLAS regulations
Lowering speed	: As per IMO/SOLAS rules and regulations
Wire rope diameter and execution	: 14 mm, Non-rotating, Galvanised
Wire rope MBL (minimum breaking Load)	: 165kN
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. 18 kW
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 davit
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. 100 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;

Release hook	: As per IMO/SOLAS rules and regulations
Boat cradle	: Standard included.