

TECHNICAL DATASHEET NPDS 3500H



Date	Rev.	Reason for issue	Prep.	Check.	Appr.
03.07.2015	02	Updated information	KHL	IJH	BY
19.12.2016	03	Updated logo, template	BY	TSE	AE

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Opertification	
CertificationApplicable rules and regulations	: In accordance with IMO/ SOLAS requirements, LSA Code
	and European Council Directive 96/98 EC on
	Marine Equipment (MED).
Cortification outbority	
Certification authority	: DNV GL (other on request)
Davit	
Model	: Totally enclosed davit
■ Туре	: NPDS 3500H
 Weather protection level 	: High. All major components are inside the davit
Application	: Rescue boat handling
Drawing reference	: I-1078-000
Execution	: Hydraulic pivoting davit
Boarding position	: Inboard
Safe Working Load (SWL)	: 3200 kg
Trim / list conditions	: 10° / 20°
Std. lowering height	: 18 m (at 0° / 0°)
Max. lowering / hoisting speed	: Hydraulically 18 m/min
Max. lowering speed (emergency)	: According to SOLAS regulations (S = $0.4 + 0.02H$)
Hoisting (emergency)	: Manually (by means of hand pump)
Pivot bearing type	: Lubricating free
Wire sheaves	: Lubricating free
Installation	: 3 (three) deck welding points only (reduced installation time)
Deck reinforcement requirements	: See general arrangement
Total system weight	: 3080 kg (including winch)
Total system H / W / D	: 3615 mm / 1282 mm / 3145 mm
Deck space required	: 4 m ² only (including hydraulic system)
Operation temperature	: -20°C till +50°C (other on request)
Winch	
Type	: NW 3500H
 Drawing reference Evenue aution 	: I-1078-000
Execution	: Hydraulically hoisting / lowering
Brakes type	: Negative multi-disk brakes with hydraulic opening control
Speed control	: Two-step speed control included for safer operation
Electric System	
Electric power supply	: 440/3ph/60Hz (other on request)
Electrical cabinet	: IP66
Pendant control	: IP66
Limit switch	: IP67
Power consumption	: 21 kW
Starting method	: Direct on line
Duty rating	: S2-5 min
Motor space heating	: Included
Electrical cabinet space heating	: Included
■ Wiring	: Included, (only power supply cable required)
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Page 2 | 4



Wire Rope Wire rope type : Galvanized, non-rotating (certified item) Wire rope diameter : 16 mm Wire rope construction : 35x7 Inner / outer wire end : Secured to drum / thimble Shackle : Included (certified item) Master link w/handle : Included (certified item) Painting System : Included Painting system : Included Painting system : Included Coating : Three (3) layers (other on request) Layer 1 Interseal 670 HS - 100 µm - Alu Layer 2 Interseal 670 HS - 100 µm - Grey Layer 2 Interseal 670 HS - 100 µm - Grey Layer 2 Interseal 670 HS - 100 µm - RAL 9003 Total dry film thickness : 250 µm Boat Charger : Transformer : Included, 440/42VAC (other on request) Lowering control : Yes, two-step speed control (hydraulic) Hoisting control : Yes, two-step speed control (hydraulic) Hoisting control : Yes, mushroom type Optional Items : Embarkation ladder I Ladder : Embarkation ladder Shock absorber : Hydraulic type, absorb and damp shock impulses Witteriz	Cables type	: Marine type, flame retardant halogen free
Type : Independent integrated hydraulic system Oil flow : 45 l/min Max. working pressure : 240 bar Oil amount : 180 I Hydraulic accumulators : 2 x piston type (19 I) System fittings : ISO 8434-1 (DIN 2353) cutting ring fittings Materials : Fittings and hose fittings - steel zinc plated Cr(VI)-free Pipes - E355 Cr(VI)-free UV and weather protection : Shielded from environmental exposure Wire rope diameter : 16 mm Wire rope diameter : 16 mm Wire rope construction : 35x7 Inner / outer wire end : Secured to drum / thimble Shackle : Included (certified item) Master link w/handle : Included (certified item) Painting System : Included Blasting : SA 2.5 Coating : Three (3) layers (other on request) Layer 1 Interseal 670 HS - 100 µm - Alu Layer 2 Interseal 670 HS - 100 µm - Grey Layer 3 Interthane 990 - 50 µm - RAL 9003 Total dry film thickness : 250 µm Boat Charger Transformer : Included, 440/42VAC (other on request) Lowering cont	Hydraulic System	
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□ Anti-sway system : Stable and efficient pivoting operation (out / in)	-	
	□ Boat supports	: Additional stability of boat in stowed position

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Page 3 | 4



- □ Aluminum hinges
- Skid

□ Additional lowering height

- : Aluminum deck installation
- : Mobile and onshore installation
- : 19 36 m (at 0° / 0°)

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