

## NPDS 6000H High speed version Technical datasheet

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00	28.09.2015	Updated information	BY	IJH	BY
01	03.12.2015	Updated weight, oil amount	BY	IJH	BY

### Certified Quality

- Applicable rules and regulations : In accordance with IMO/ SOLAS requirements, LSA Code and European Council Directive 96/98 EC on Marine Equipment (MED).
- Certification authority : DNV GL (other on request)

### Davit

- Model : Totally enclosed davit
- Type : NPDS 6000H High speed version
- Weather protection level : High. All major components are inside the davit
- Application : Rescue boat handling
- Drawing reference : 15036-00
- Execution : Hydraulic pivoting davit
- Boarding position : Inboard
- Safe Working Load (SWL) : 6000 kg
- Trim / list conditions : 10° / 20°
- Max. lowering height : 18 m (at 0° / 0°)
- Max. lowering / hoisting speed : Hydraulically 48 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 : 4 (four) deck welding points only (reduced installation time)
- Deck reinforcement requirements : See general arrangement
- Total system weight : 6350 kg (including winch)
- Total system H / W / D : 5213 mm / 1860 mm / 3937 mm
- Deck space required : 7.3 m<sup>2</sup> only (including hydraulic system)
- Operation temperature : -20°C till +50°C (other on request)
- Shock absorber : Included. Hydraulic type, absorb and damp shock impulses
- Tension system : Included. Active heave compensation

### Winch

- Type : NW 6000H
- Drawing reference : 15036-00
- 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 : 460/3ph/60Hz (other on request)
- Electrical cabinet : IP66
- Pendant control : IP66
- Limit switch : IP67
- Power consumption : 121 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)
- Cables type : Marine type, flame retardant halogen free

### Hydraulic System

- Type : Independent integrated hydraulic system
- Oil flow : Approximately 234 l/min
- Max. working pressure : 240 bar
- Oil amount : Approximately 400 l
- Hydraulic accumulators : 3 x piston type (28,5 l)
- 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

- Wire rope type : Galvanized, non-rotating (certified item)
- Wire rope diameter : 22 mm
- Wire rope construction : 35x7
- Inner / outer wire end : Secured to drum / open spelter socket
- Master link w/handle : Included (certified item)

### Painting System

- 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)

### Remote Control

- Type : Pushbutton, 7 buttons
- Lowering control : Yes, two-step speed control (hydraulic)
- Hoisting control : Yes, two-step speed control (hydraulic)
- Emergency stop : Yes, mushroom type

### Optional Items

- Ladder : Embarkation ladder
- Winterization / cold climate : Entire davit heating (not only e-cabinet), special steel (-40°C)
- Metallizing : Thermal spraying (extra corrosion protection of surface)
- Ex-proof : II 2 G Ex de IIB T3 (other on request)
- Anti-sway system : Stable and efficient pivoting operation (out / in)
- Boat supports : Additional stability of boat in stowed position
- Aluminum hinges : Aluminum deck installation
- Skid : Mobile and onshore installation
- Additional lowering height : 19 - 30 m (at 0° / 0°)