**AOS MAINTAINER I**

Jack-Up Accommodation Barge – DP 1

<table>
<thead>
<tr>
<th><strong>PRINCIPAL PARTICULARS</strong></th>
<th><strong>MAIN DIMENSIONS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Year Built: 2015</td>
<td>Length Overall: 85.1 m</td>
</tr>
<tr>
<td>GRT/NRT: 7931 / 2379</td>
<td>Width Overall: 51.0 m</td>
</tr>
<tr>
<td>Class: ABS</td>
<td>Hull Length: 66 m</td>
</tr>
<tr>
<td>Flag: Panama</td>
<td>Hull Width: 40 m</td>
</tr>
<tr>
<td>Call Sign: H9LD</td>
<td>Hull Depth: 5.8 m</td>
</tr>
<tr>
<td>Type: 90m Self Propelled, Self-Elevating Lift boat</td>
<td>Clear Deck Space: ~1300 m²</td>
</tr>
</tbody>
</table>

**DESIGN CONDITION (OPERATING)**

- Wind: 36 m/s (70 kN)
- Max Wave: 6.5 m
- Wave Period: 8.3 s
- Surface Current: 1.03 m/s
- Bottom Current: 0 m/2
- Variable Loads: ~1200 T

**PROPELSSION SYSTEM**

- Main Engines: 2 x 1760 kW @ 1000 rpm
- Propulsion: 2 x Azimuth Thruster
- Speed: 5 Kn
- Bow Thruster: 1 x 600 kW thrust @ ~80 kN

- Leg Number: 4 nos.
- Leg Length: 90 m
- Leg Overall Length: 91.5 m (inc. spud can)
- Leg Structure: Cylindrical Type
- Leg Diameter: 2.80 m
- Center Distance Between Legs;
  - Longitudinal: 44.4 m
  - Transverse: 33.0 m
- Spud can size: 11.7m x 11.7m x 1.5m (Square)
- Operation Depth: 60 m

SPECIFICATIONS ARE NOT CONTRACTUAL AND SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
**MOORING EQUIPMENT**

Mooring Winch: 4 Point Mooring  
Drum Capacity: 800 m x 38 mm dia.  
Drum Pull: 350 kn @ 0~6.6 m/min  
100 kn @ 0~20.0 m/min  
Drum Brake Holding: 700 kn (2nd Layer, Static)  
Drive: Hydraulic Motor  
Control: Local and Remote

**DESIGN CONDITION (STORM SURVIVAL)**

Wind: 51.5 m/s (100 kN)  
Max Wave: 9.5 m  
Wave Period: 10.2 s  
Surface Current: 1.8 m/s  
Bottom Current: 1.03 m/s  
Variable Loads: ~1200 T

**HELIDECK**

Helicopter Platform: 22.2 m  
Helicopter Type: Sikorsky S-92  
Helicopter Deck Load: Acc. to Sikorsky S-92 helicopter capable of handling the maximum landing load of the helicopter complying with CAP 437 for Helideck

**RADIO COMMUNICATION SYSTEM**

- GMDSS Communication System (A1 + A2)  
- INMARSAT  
- MF/HF (SSB) with DSC  
- VHF-FM Marine Radio with DSC  
- NAVTEX  
- Ship Security Alert System (SSAS) c/w Distress  
- Button  
- VHF Portable Radio  
- SART  
- EPIRB

**POWER**

Main Generator: 5 x 450kw/50Hz/AC400V/3Ph  
Emergency Generator: 1 x 250kw/50Hz/AC400V/3Ph

**CRANE**

Main Crane: Main Hook: 190T @ 9.5m min. radius  
38T @ 40m max radius  
Aux Hook: 10T @ 13m~43m radius  
Auxiliary Crane: Main Hook: 20T @ 5.70m~20m radius  
10T @ 30m max radius  
Aux Hook: 3T 7m~33m

**ACCOMMODATION**

Configuration: 7 x 1 man cabins  
2 x 20 men cabins  
53 x 4 men cabins  
Total: 260 men  
Hospital: 1 x 2 men  
Accommodation is fully air conditioned.

**DECK LOAD DESIGN**

Main Deck (living quarter): 2.4 T/m²  
Main Deck (free deck area): 5.0 T/m²  
Lower Deck: 2.4 T/m²  
Double Bottom: 2.4 T/m²  
01 Level: 1.2 T/m²  
02 Level: 0.7 T/m²  
03 Level: 0.7 T/m²  
04 Level: 0.7 T/m²

**JACKING SYSTEM**

Type: Hydraulic, rack and pinion  
14 pinion per leg  
Drive: Hydraulic  
Jacking Speed: 0.6m/min for hull  
1.2m/min for leg  
Pre-loading capacity: 1960 T per leg  
Jacking Capacity: 1900 T per leg  
Normal Lifting: 5600 T

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LIFE SAVING & HSE

Search Lights: 2 nos (top of JCR)
Life rafts: 18 x 25 men
Lifeboats: 4 x 150 men
Fast Rescue Boat: 1 x 6.5 m JY65KR
Life jackets: 280 sets
Life buoys: 10 sets
Working Vests: 25 nos.
Stretcher: 2 nos. (1 x Para guard & 1 x Robertson)
Fireman’s Outfit: 4 sets
Breathing Apparatus: 2 sets + 2 spare cylinders
Fire Extinguisher: as per SOLAS
Fixed Gas Detection System: fitted
Rocket Parachute: 12 sets
Embarkation ladders: 2 units
Safety Nets: 50 x 50 mm
Diesel Engine Power: 125 kw Bukh Solas D170 with water jet
Speed: 3 men + 20 Knots
Cascade System: 300 Persons

CAPACITIES

Fuel Oil: 425.05 m3
Fresh Water: 984.60 m3
Drill Water: 180 m3
Dirty Oil: 12.77 m3
Ballast Tank: 1,827.27 m3
Bilge Water Tank: 12.77 m3

BARGE FACILITIES

Gangway: 2 x 20 m (steel)
Water maker: 3 x 40T/day
Oily water separator: 1 x 1.5 m3/hr
Sewage Treatment: 2 units
CCTV: For each Mooring winch & each Leg + FWD & AFT barge

MESS ROOM & GALLEY

Mess Room: 1 x crew/passenger room
1 x officer/VIP room
Walk in Chiller & Freezer: 87.4 m3 / 64.8 m3
Temperature: +4 Chiller / -20 Freezer

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