



# AOS MAINTAINER I

Atlantic Maritime Group FZE

## Jack-Up Accommodation Barge – DP 1



### PRINCIPAL PARTICULARS

Year Built:	2015
GRT/NRT:	7931 / 2379
Class:	ABS
Flag:	Panama
Call Sign:	H9LD
Type:	90m Self Propelled, Self-Elevating Lift boat

### 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

### PROPULSION 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

### MAIN DIMENSIONS

Length Overall:	85.1 m
Width Overall:	51.0 m
Hull Length:	66 m
Hull Width:	40 m
Hull Depth:	5.8 m
Clear Deck Space:	~1300 m <sup>2</sup>
<b>LEGS AND SPUDCANS</b>	
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
<b>Center Distance Between Legs;</b>	
Longitudinal:	44.4 m
Transverse:	<b>33.0 m</b>
Spud can size:	11.7m x 11.7m x 1.5m (Square)
Operation Depth:	60 m

## MOORING EQUIPMENT

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

## NAVIGATION EQUIPMENT

- Radar (X-band, S-band, LRIT ARPA)
- DGPS
- 2 x Gyro Compass
- Magnetic Compass
- Echo Sounder
- Speed Log
- Weather Instrument (Anemometer)
- AIS
- Rudder Indicators
- Electric Horn
- Aviation Radio USB for Helicopter
- Aviation Beacon
- Day Light Signal
- ECDIS (Consilium with 19" monitor)

## 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

## JACKING SYSTEM

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

## DESIGN CONDITION (STORM SURVIVAL)

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

## HELIDECK

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

## POWER

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

## CRANE

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

## ACCOMMODATION

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

## DYNAMIC POSITIONING

<b>DP 1 System:</b>	<b>Dynamic Positioning 1</b> - 2 x DGPS - 2 x Gyro Compas - 2 x Anemometer - 1 x MRU
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## DECK LOAD DESIGN

<b>Main Deck (living quarter):</b>	2.4 T/m <sup>2</sup>
<b>Main Deck (free deck area):</b>	5.0 T/m <sup>2</sup>
<b>Lower Deck:</b>	2.4 T/m <sup>2</sup>
<b>Double Bottom:</b>	2.4 T/m <sup>2</sup>
<b>01 Level:</b>	1.2 T/m <sup>2</sup>
<b>02 Level:</b>	0.7 T/m <sup>2</sup>
<b>03 Level:</b>	0.7 T/m <sup>2</sup>
<b>04 Level:</b>	0.7 T/m <sup>2</sup>



## LIFE SAVING & HSE

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

## MESS ROOM & GALLEY

<b>Mess Room:</b>	1 x crew/passenger room 1 x officer/VIP room
<b>Walk in Chiller &amp; Freezer:</b>	87.4 m <sup>3</sup> / 64.8 m <sup>3</sup>
<b>Temperature:</b>	+4 Chiller / -20 Freezer

## CAPACITIES

<b>Fuel Oil:</b>	425.05 m <sup>3</sup>
<b>Fresh Water:</b>	984.60 m <sup>3</sup>
<b>Drill Water:</b>	180 m <sup>3</sup>
<b>Dirty Oil:</b>	12.77 m <sup>3</sup>
<b>Ballast Tank:</b>	1,827.27 m <sup>3</sup>
<b>Bilge Water Tank:</b>	12.77 m <sup>3</sup>

## BARGE FACILITIES

<b>Gangway:</b>	2 x 20 m (steel) 2 x 12 m (aluminum)
<b>Water maker:</b>	3 x 40T/day
<b>Oily water separator:</b>	1 x 1.5 m <sup>3</sup> /hr
<b>Sewage Treatment:</b>	2 units
<b>CCTV:</b>	For each Mooring winch & each Leg + FWD & AFT barge

VIP Room, Medic & Ward, Change Room, Laundry Room, Offices (1 x Big office and 6 x Normal offices on main deck level, 4 x open offices behind bridge 3<sup>rd</sup> level), Meeting Room, Lounge, Gym, TV Room, Helicopter Waiting Room, Linen Room, Ablution & Prayer Room