

AQUA LIFT-II

New Build 2014 Self-Elevating Work Platform (SEWOP)



<u>General Particulars</u>		<u>Operational Data</u>	
Type of Ship	: Self-propelled Jack-up Barge	Maximum Deck Cargo	: 150 tonnes
Flag	: UAE	Maximum Working Depth Seawater	: 34.5m (w/ 3m air gap no penetration)
Class	: RINA (100-A-1.1 nav, AP)	Normal Lift Speed	: 3 ft/min
Official Number	: 7508	Standard Crew	: 10 + 8 catering staff
Call Sign	: A6E2184	Fuel Consumption (2 engines)	: 30 gal/hour (steaming)
IMO Number	: 9745603	Fuel Consumption (1 generator)	: 2.5 gal/hour Emergency/Harbor Generator
Year Built	: 2014	Main Crane (port side)	: 45 ton max
Place of Built	: UAE		
Designer	: Aqua Diving Services Ltd	<u>Capacities</u>	
Naval Architects	: Aries Marine	Fuel	: 82 cubic meters
Hull constructed by	: Marine Engineering Services, UAE	Water	: 127 cubic meters
Accommodation constructed of	: Aluminum	Lube Oil	: 110 gallons
		Hydraulic Oil	: 384 gallons
<u>Tonnage and Dimensions</u>		<u>Accommodation</u>	
GRT	: 1018	2 man rooms x 8	: 16
NRT	: 305	4 man rooms x 13	: 52
Length (Moulded Barge)	: 29.50m	1 man room x 2	: 2
Breadth (Moulded Barge)	: 19.0m + 4m wings	Total Berths	: 70 berths all on suite
Depth	: 3.50m		
Open Useful Deck Area	: 190 sqm. planked / Total 322 sqm.		
Draft	: 1.2 – 2.0m		
<u>Propulsion System and Electrical System</u>			
Main Engines	: Two x 600 HP approx		
Reduction Gear	: Twin Disc Cummins		
Generator Engines	: Cummins		
Generators	: 3 x 600 HP each		
Voltage	: 440/220 VAC, 3 phase 50h		
		***All rooms air conditioned. (Water cooled system).	
		***Beds in 1, 2 & 4 man cabins. Internet in all rooms.	
		Medical Room	: 2 Beds
		Laundry Room	: 3 x washer, 3 x dryers + 1 x Centrifuge + 1 x 27 Kg Washer
		Main Mess	: Seats 50
		Senior Mess	: Seats 12
		<u>Extra Accommodation</u> for Infield use	
		4 men room x 4	: 16
		TOTAL ACCOMMODATION	: 86 men

Emergency Generators : 150 KVA Perkins, UK

Legs
 Number : 4 each has 2 racks.
 Size : 45 meters x 42" diameter
 Wall Thickness : 0.750" (5L X 65)
 Feet : 4m x 3m spud cans with water Injection
 Jacking System : Braden 400 LB. Series, 6 x Planetaries each leg.

Life Jackets / Buoys : 100 / 6
 Fire Extinguishers : Min Dry Chem 12 x 2-1/2lb
 : Min CO2 4 x 15lb
 Automatic System : Engines rooms with Auto CO2 system, two Remote discharge panels

Bridge Requirements & Safety Equipment : As per SOLAS / IMO / Class
 : H2S System (if requested)

Communication System

GMDSS : Thrane and Thrane A2, 150W
 : Sailor 6316 MF/HF 150W DSC Class A
 : Sailor 6222 VHF DSC Class A
 Satellite TV Antenna : Seatel
 Fleet Broad Band : Sailor 500
 VHF Base Station : Sailor 6248
 UHF Portable Radio's : Sailor SP 3550

P.A. System

Public Address : General Alarm System – SPA-120-V2
 *Talk Back System : Zenitel (Non Ships Power Operation)
 Sound Powered Tel. : Zenitel SPT

Crew

1 x Master Catering Crew extra and numbers
 1 x Chief Mate Depend on number of passengers.
 1 x Chief Engineer
 1 x 2nd Engineer
 2 x Crane
 Operators/Mechanic
 3 x Oilers/AB
 1 x Electrical Engineer

Chiller/Freezer (extra freezer mobile) : Walk In
 Water maker : 17 Tons daily (Non Coastal)
 Sewage Treatment Plant : 6900 Liters daily processes
 Bow thrusters : 75 HP Wesmar

Life Saving Equipment

Life Rafts : 6 x 25 men inflatable
 : 2 x 16 men inflatable
 : Total 182 capability 91 each side
 Life Jackets : 104 pieces

Navigation System

Radars : Kodon MDC 2910P x 2
 Echo Sounder : JMC F2000 + Repeater
 AIS : Kodon KAT 100
 GPS : Kodon KGP920 IMO Approved
 DGPS : Kodon KGP920D – NMEA Buffer
 Magnetic Compass : Lilly & Gilly MK 2000
 EML Speed Log : 500 HIS
 Gyro : Sperry Marine – Navigat x MKI, Mod. 10

Other Equipment

Wheel House Console Repeater
 Anemometer : R.M. Young 05106 + 06206H
 Auto Pilot : Navitron NT 888G
 Air Horn : Ibuki
 Nautical Instrument : Hygrometer, Aldis Lamp
 : Thermometer, Barograph,
 : Chronometer, Binoculars - Night
 : Vision, Clinometer, Load Hailer,
 : Flags – UAE, etc

VSAT
 UPS: Evolution 650 (650 VA & 420 W)
 Comtech 570L modem inc
 Voip Router: Cisco, SPA -800
 ATA 8 port
 Motorized VSAT Antenna:
 SAILOR Vsat 900
 4 x telephone handset
 1 x 24 port switch
 4 x wifi access point