

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		
Owner and 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
		Extra Accommodation for Infield use	
		4 men room x 4	: 16
		TOTAL ACCOMMODATION	: 86 men

Emergency Generators	: 150 KVA Perkins, UK	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
	<u>Legs</u>		
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.		
			<u>Life Saving Equipment</u>
Life Jackets / Buoys	: 100 / 6	Life Rafts	: 6 x 25 men inflatable : 2 x 16 men inflatable : Total 182 capability 91 each side
Fire Extinguishers	: Min Dry Chem 12 x 2-1/2lb : Min CO2 4 x 15lb	Life Jackets	: 104 pieces
Automatic System	: Engines rooms with Auto CO2 system, two Remote discharge panels		<u>Navigation System</u>
		Radars	Koden MDC 2910P x 2
Bridge Requirements & Safety Equipment	: As per SOLAS / IMO / Class : H2S System (if requested)	Echo Sounder	JMC F2000 + Repeater
		AIS	Koden KAT 100
		GPS	Koden KGP920 IMO Approved
		DGPS	Koden KGP920D – NMEA Buffer
		Magnetic Compass	Lilly & Gilly MK 2000
		EML Speed Log	500 HIS
		Gyro	Sperry Marine – Navigat x MKI, Mod. 10
	<u>Communication System</u>		<u>Other Equipment</u>
GMDSS	: Thrane and Thrane A2, 150W : Sailor 6316 MF/HF 150W DSC Class A : Sailor 6222 VHF DSC Class A	Wheel House Console Repeater	
Satellite TV Antenna	: Seatel	Anemometer	R.M. Young 05106 + 06206H
Fleet Broad Band	: Sailor 500	Auto Pilot	Navitron NT 888G
VHF Base Station	: Sailor 6248	Air Horn	Ibuki
UHF Portable Radio's	: Sailor SP 3550	Nautical Instrument	Hygrometer, Aldis Lamp Thermometer, Barograph, Chronometer, Binoculars - Night Vision, Clinometer, Load Hailer, Flags – UAE, etc
	<u>P.A. System</u>	<u>VSAT</u>	
Public Address	: General Alarm System – SPA-120-V2	UPS: Evolution 650 (650 VA & 420 W)	
*Talk Back System	: Zenitel (Non Ships Power Operation)	Comtech 570L modem inc	
Sound Powered Tel.	: Zenitel SPT	Voip Router: Cisco, SPA -800 ATA 8 port	
		Motorized VSAT Antenna: SAILOR Vsat 900	
	<u>Crew</u>	4 x telephone handset	
1 x Master	Catering Crew extra and numbers	1 x 24 port switch	
1 x Chief Mate	Depend on number of passengers.	4 x wifi access point	
1 x Chief Engineer			
1 x 2 nd Engineer			
2 x Crane Operators/Mechanic			
3 x Oilers/AB			
1 x Electrical Engineer			