

# JANA 504

SELF-ELEVATED SELF-PROPELLED  
JACKUP BARGE, 150 POB (IMO # 1020980)

## GENERAL

Built Year : 2024 (Keel Laid: July 2023)  
Classification: : ABS  
✘A1, Accommodation Service, Self-Elevating Unit, (E\*)  
✘AMS, CPS, CRC(OC-PL), ENVIRO-OS, HELIDK, IDM-  
A, PMP, RW, SMART(INF, SHM Tier2, MHM Tier2), UWILD  
GRT : 7537 NRT : 2261  
Registry / Flag : Saudi Arabia Off.No. : 57260-PEXT-1  
Call Sign : 3E5834 MMSI : 352003733  
Builder : Qingdao Haixi Heavy-Duty Machinery Co., Ltd.  
Hull No. : HX2029

## MAIN PARTICULARS

Length Overall : 92.0 m (incl. Heliport)  
Length (Hull) : 66.0 m  
Breadth (hull) : 40.0 m  
Breadth (overall) : 50.0m (incl. lifeboats)  
Depth (molded) : 6.10 m  
Design Draft : 3.30 m  
Maximum Draft : 3.30 m (incl. ASD)  
Variable Load (holding) : 700 T

## PROPULSION & GENERATORS

Generators set Cummins : 2 x 1800 kW (AC690V@50Hz)  
Generators set Cummins : 4 x 825 kW (AC690V@50Hz)  
Emergency Generator : 1 x 300 kW (AC400V @ 50Hz)  
Azimuth Thrusters : 3 x 1300 kW (ASD)  
Bow Thrusters : 2 x 700 kW  
Transit Speed : abt 6.0 kts

## JACKING SYSTEM & LEGS

Jacking System : Fixed, Rack & Pinion  
Maker/Model : WMMP / WERP100  
Motors/Pinions : 56 x Electric motors/Pinions  
Storm Holding Capacity : 220 t/pinion,  
Jacking Speed : 1.0 m/min  
Legs : 4 x Cylindrical, O.D.=3.30m  
Leg Length : 95.0 m (incl. spudcan)  
Spud Can : 8.2 x 6.8 m (rectangular)  
Footing Bearing Press. : abt 40 t/sqm  
Max Water Depth : 55 m  
Max Airgap : 20 m  
Max Leg Penetration : 8 m (as designed)  
Variable Load (jacking) : 700 T

## AUXILIARY MACHINERIES

Fresh Water Generator : 2 x 50 t/day  
Submersible Pumps : 2 x Hose Reel 455 cbm/h + 2 x Hose  
Reel 250 cbm/h  
Jetting System : Seawater High/Low pressure  
Storm Anchors : 1 x AC-14 (5.85t),  
Anchor Winch : Electric, wire 72mm x 500m  
Working Air Compressors: 1x 58 m3/h @ 10 bar  
Page | 1



Provision Capacities: Chiller Room ~ 84m<sup>3</sup>  
Freezer Room ~ 56m<sup>3</sup>  
Dry provision Store ~ 138m<sup>3</sup>

## ENVIRONMENTAL CRITERIA

Field Move : Wind=20.7m/s, Sea = 2 m (max)  
Jacking Operation : Wind=13.8 m/s, Sea = 1.5m(max)  
Storm Survival Mode : Wind=51.5 m/s, Sea = 8m(max)  
(Airgap= 9m, Water Depth= 30m, Penetration= 3m)  
Lifting Operations : Wind=15.5 m/s, Sea Hs=2.5m

## DECK & TANKS CAPACITY

Clear Deck Area : 1400 sqm  
Deck strength : 5 t/sqm  
Fuel Tanks capacity : 452 m3  
Fresh Water capacity : 512 m3

## CARGO & DECK MACHINERY

Main Crane SCM (main) : 2 x 100t @ 10.0m / 30t @ 42m  
(aux.hook/man-riding) : 5t @ 45m / 1.5t @ 45m

## HELIDECK

Compliance : CAP 437 (8th Edition)  
D-value : 22.2 m  
t-value : 9.3 t  
Helicopter Design : Sikorsky S-61N  
Fi-Fi system : DIFFS (AFFF foam/seawater)

## SAFETY EQUIPMENT

Life Boats : 2 x TEMPC 150 POB  
Life Rafts : 12x 25P Solas Pack A  
Rescue Boat : 1 x FRC 6 persons  
Fi-Fi (off-ship) : 2 x 455 m3/hr monitors/pumps  
H2S Cascade System : certified for 150 POB

## BRIDGE EQUIPMENT

Navigational: Radar( X-band, S-band),  
1 x DGPS, 1 x AIS, 1 x Magnetic Compass, 1x Gyro, 1 x Auto Pilot,  
1 x VDR, 1 x Doppler Speed Log, 1 x Echo Sounder,  
1 x CCTV, 1 x ECDIS, 1 x Chart Plotter, 1 x BNWAS,  
1 x Anemometer, 1 x HMS  
Communication: GMDSS Area A1+A2: 2 x VHF, 1 x MF/HF,  
1 x Inmarsat-C/LRIT/SSAS, 1 x Navtex, , 1 x EPIRB, 4 x SART,  
2 x Airband Radio

## ACCOMMODATION

Single Bed Cabin: 18	Hospital	: 1 (2 beds)
2-Bed Cabin : 18	Offices	: 5 (2 and 4 desks)
4-Bed Cabin : 24	Mess hall	: 100 seats