

JANA 503

SELF-ELEVATED SELF-PROPELLED
JACKUP BARGE, 150 POB (IMO # 1020978)

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. : 57263-PEXT-1
Call Sign : 3E5836 MMSI : 352003735
Builder : Qingdao Haixi Heavy-Duty Machinery Co., Ltd.
Hull No. : HX2028

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
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Provision Capacities: Chiller Room ~ 84m³
Freezer Room ~ 56m³
Dry provision Store ~ 138m³

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