

AMAZON ULTRA-DEEPWATER J-LAY



Fast-transit, dynamically positioned (DP2) construction vessel with an ultra-deepwater J-Lay system rated for 1,653 ST [1,500 MT] dynamic accompanied by two 440 ST [400 MT] Offshore Mast Cranes

Highlights

- Fully enclosed 1,653 ST [1,500 MT] dynamic hex joint J-Lay system rated for 11,483 ft [3,500 m] water depth
- Two 440 ST [400 MT] Offshore Mast Cranes for single fall operations 220 ST [200 MT] up to 16,404 ft [5,000 m] dual fall operations 440 ST [400 MT] up to 8,202 ft [2,500 m] water depth complete with Active Heave Compensation (AHC) and Tandem Operations Capability
- Pipe storage capacity of 11,023 ST [10,000 MT]
- Deck cargo capacity of 8,818 ST [8,000 MT]

Official Flag: Malta

Built/Year: 2014

Class: DNV-GL, ✠ 100A5, BWM(D2), HC(3), NAV, SPS, OFFSHORE SERVICE VESSEL, ✠ MC, AUT, HELIL, DP2

Helideck: compatible with EH-101, S-92, or similar

IMO Number: 9698094

Hull Dimensions

LOA: 654.2 ft [199.26 m]

Beam: 105.6 ft [32.2 m]

Depth: 48.2 ft [14.7 m]

Max. Draft: 31.16 ft [9.5 m]

Typ. Operating Draft: 26.25 ft [8.0 m]

Deck Area: 49,514 ft² @ 1.024 - 1.64 ST/ft²
[4,600 m² @ 10-16 MT/m²]

Dynamic Positioning

System: Kongsberg K-Pos DP 21

DP Class: IMO Class 2

DP Reference System: 2 x HiPAP, 4 x DGPS, 1 x Taut Wire, 1 x Radius

Communication & Navigation

Navigation System: NACOS Platinum

Communication: email / fax / phone (VSAT)

Radio: GMDSS, UHF, VHF, VSat

Radar: 2 (X,S Band)

Gyro Compass: 3 x Navigation and 3 x DP

GPS: 2

Echo Sounder: 1

Doppler Speed Log: 1

Autopilot: 1

NAVTEX: 1

ECDIS: 1

AIS: 1

Weather Fax: 1

VDR: 1

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Accommodation

Berths (air conditioned & heated): 200 overall POB, 1 & 2-person cabins

Medical: hospital treatment room & office, 2 sick bay rooms

Other Facilities: gymnasium, game room, conference rooms, library, internet room, sauna, construction, customer offices

Power

Distribution: 33 MW, 44,300 HP, 60Hz

Main Generator: 3 x MAN 9L 32/44 CR @ 5,040 kW 4 x MAN 8L 32/44 CR @ 4,480 kW

Emergency Generator: 1 @ 1,250 kVa

Shore Connection: 440V, 400A, 60Hz

Propulsion

Stern: 3 @ 3,500 kW Azimuth Steerprop SP 50 D

Forward: 3 @ 2,400 kW Retractable Azimuth, Brunvoll AR-100- LNC-2600

Bow: 1 @ 1,800 kW Tunnel, Brunvoll FU-93-LTC-2500 Max

Average Transit Speed: 11.7 knots

Safety

Life Boat: 4 @ 100-persons each, 2 each side

Life Raft: 8 @ 25-persons each, 4 each side & 1 @ 6-persons aft

Rescue Boat: 2, 1 each side

Tanks

Fuel: 964,228 usg [3,879.6 m³], 45-day endurance

Cranes

Main Crane: 2 x Huisman Offshore Mast Crane, 440 ST [400 MT] at 67.25 ft [20.5 m] (double fall), 220 ST [200 MT] at 120 ft [36.6 m] (single fall), AHC, Tandem mode, Port Side

Pipe Loading Cranes: 2 X TTS Offshore Hydraulic Cranes

Harbour: Forward Unit 60.6 ST [55 MT] @ 82 ft [25 m] (dual fall), 30.3 ST [27.5 MT] @ 84 ft [25.6 m] (single fall), Aft unit 60.6 ST [55 MT] @ 114.8 ft [35 m] (dual fall), 30.3 ST [27.5 MT] @ 116.8 ft [35.6 m] (single fall)

Ship to Ship: Forward Unit 33.1 ST [30 MT] @ 82 ft [25 m] (dual fall), 16 ST [15 MT] @ 82 ft [25 m] (single fall) Aft unit 33.1 ST [30 MT] @ 82 ft [25 m] (dual fall), 16 ST [15 MT] @ 116.8 ft [35.6 m] (single fall)

Man Riding: Forward Unit 5.5 ST [5 MT] dual or single fall, @ 82 ft [25 m] (dual fall), @ 84 ft [25.6 m] (single fall), Aft unit 5.5 ST [5 MT] dual or single fall, @ 114.8 ft [35 m] (dual fall), @ 116.8 ft [35.6 m] (single fall)

Lay Equipment

Max. Line Pull Including Dynamics: 1,653 ST [1,500 MT]

Min. Product OD: 4.5 in [110 mm]

Max. Product OD: 24 in [600 mm]

Tower Lay Angle: 90 degrees (vertical) – 60 degrees

Friction Clamps: 1,500 MT Righini Hang Off Clamp, 1,500 MT Righini Traveling Clamp

A&R Winches: 2 x 826 ST [750 MT] dynamic traction

Hex Joint Loading Arm with Friction Clamp

Integrated ILUC Handling System

Welding Rotary Floor

Main Deck Work Station for Field Joint Coating

Multi-Joint Facility

Dual Production Barrels Fabricate SJ or DJ into Quad, Pent or Hex Joints including ready rack; Fully integrated pipe fabrication production equipment; Fabrication of subsea pipelines including thermal insulation, anti-corrosion and abrasion-resistant coatings

Product Storage

Pipe Holds: 2 X 5,512 ST [5,000 MT] capacity

Moon Pool

Dimensions: 44.95 ft [13.5 m] (l) x 27.23 ft [8.3 m] (w)

Remote Operated Vehicles

2 x ROV garages equipped with 2 x 200 HP ROVs with AHC LARS

Contact

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