

# AMAZON, CONSTRUCTION SUPPORT VESSEL



Fast-transit, dynamically positioned (DP2) construction vessel with two 440 ST [400 MT] Offshore Mast Cranes (OMC) and a 625 ST [570 MT] Vertical Lay System (VLS) for installation of flexible pipe and umbilicals.

## Highlights

- Two 440 ST [400 MT] Offshore Mast Cranes for crane operations up to 9,840 ft [3,000 m] water depth complete with Active Heave Compensation and Tandem Operations Capability
- 625 ST [570 MT] Dual (Retractable) Tensioner Lay System over moon pool for installation of umbilicals and flexible pipe in water depths up to 9,840 ft [3,000 m]
- Large storage capacity in two below deck holds and a 49,514 ft<sup>2</sup> [4,600 m<sup>2</sup>] deck area with deck load capacity up to 1.64 ST/ft<sup>2</sup> [16 MT/m<sup>2</sup>]



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\* Activities meet the requirements of the ASME Boiler and Pressure Vessel Code.

\*\* Activities meet the requirements of the National Board.

**Official Flag:** Gibraltar 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 [199.4 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 ft<sup>2</sup> @ 1.024 - 1.64 ST/ft<sup>2</sup>  
[4,600 m<sup>2</sup> @ 10-16 MT/m<sup>2</sup>]

#### Dynamic Positioning

**System:** Kongsberg K-Pos DP 21  
**DP Class:** IMO Class 2  
**DP Reference System:** 2x HiPAP, 4x DGPS, 1x Taut Wire,  
1x 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  
**GPS:** 2  
**Echo Sounder:** 1  
**Doppler Speed Log:** 1  
**Autopilot:** 1  
**NAVTEX:** 1  
**ECDIS:** 2  
**AIS:** 1  
**Weather Fax:** 1  
**VDR:** 1

#### Accommodation

**Berths (air conditioned & heated):** 200 overall POB, 1 & 2  
man 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:** 28 MW, 37,500 HP, 60Hz Main **Generator:** 3 x  
MAN 9L 32/44 @ 5,040 kW 4 x MAN 8L 32/44 @ 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.  
**Transit Speed:** 13 knots

#### Safety

**Life Boat:** 4 x 100 man each, 2 each side  
**Life Raft:** 8 x 25 man each, 4 each side  
**Fast Rescue Boat:** 2, 1 each side

#### Tanks

**Fuel:** 964,228 usg [3,650 m<sup>3</sup>], 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, PS

#### Lay Equipment

**Maximum Line Pull Including Dynamics:** 490 ST [445 MT]  
**Min. Product OD (2-track):** 1.96 in [50 mm]  
**Min. Product OD (4-track):** 3.9 in [100 mm]  
**Max. Product OD:** 24.8 in [630 mm]  
**Max. Lay Speed:** 52.5 ft/min [16 m/min] @ full load, 78.7  
ft/min [24 m/min] @ red. load  
**Tower Lay Angle:** 90 degrees (vertical) – 60 degrees  
**A&R Winches:** 1 x 660 ST [600 MT] traction, 1 x 137 ST  
[125 MT] drum

#### Product Storage

**Reel Drive System:** mobilized as per project requirements  
**Carousel On-Deck:** mobilized as per project requirements  
**Carousel In-Hold:** mobilized as per project requirements

#### Mool Pool

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

#### Remote Operated Vehicles

Deck mounted, mobilized as per project requirements  
683 4771

#### Contact

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