

POSH RADIANT

8,000 BHP / 107.70 TBP / DP2 / AHTS



Class Notation ABS +A1, Towing Vessel, Anchor Handling, Fire Fighting Vessel Class 1, Offshore Support Vessel, (E), +AMS +ACCU + DPS-2, UWILD

Principal Particulars

| | |
|-------------------------|---|
| Flag | Panama |
| Year Built | 2014 |
| Place Built | Pax ocean Engineering Zhuhai Co., China |
| Design Draft | 4.50 m |
| Max Summer Draft | 5.90 m |
| Gross Tonnage | 2,530.0 T |
| Net Tonnage | 759.0 T |
| Dead weight (Max Draft) | 2,605.0 T @ 5.90 m draft |
| Displacement | 4,855.0 T |
| IMO No. | 9709881 |
| Design | Pax Ocean 8,000 BHP AHTS No. PD323 |
| Call Sign | 3EAA7 |

Dimensions

| | |
|----------------|---------|
| Length Overall | 70.33 m |
| Beam Overall | 16.60 m |
| Depth Moulded | 7.20 m |

Performance

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|------------------|-----------|
| Max Speed | 12.00 kts |
| Economical Speed | 10.00 kts |

* Subject to actual weather and operating conditions

Cargo Deck

| | |
|----------------------|--|
| Deck Cargo Area | 486.8 m ² |
| Deck Cargo Dimension | 36.6 m x 13.3 m |
| Deck Cargo Capacity | 900.0 T |
| Deck Strength | 10 T/m ² (Fr. 5-27); 7.5 T/m ² (Fr. 27-56) |
| Reefer Points | 12 (4 x 440v, 8 x 230v) |

Capacities

| | |
|-----------------|---|
| Fuel Tank | 1,146.0 m ³ |
| Fresh Water | 427.5 m ³ |
| Drill Water * | 667.4 m ³ (shared w ith ballast w ater) |
| Ballast Water * | 667.4 m ³ (shared w ith drill w ater) |
| Mud Tank * | 441 m ³ |
| Brine Tank * | 441 m ³ * + 295.6 m ³ (dedicated) |
| Dry Bulk Tank | 244.8 m ³ (in 4 tanks) |

* Indicates tanks with shared capacity

Discharging Rates

| | |
|------------------|---|
| Drill Water/Pump | 1 x 150 m ³ /hr@70 m head |
| Fresh Water/Pump | 1 x 150 m ³ /hr@70 m head |
| Fuel/Pump | 1 x 150 m ³ /hr@70 m head |
| Brine/Pump | 1 x 100 m ³ /hr@75 m head |
| Liquid mud/Pump | 1 x 100 m ³ /hr@75 m head |
| Dry Bulk Tank | 2 x 23 m ³ /min of compressor at 6Kg |

Accommodation

| | |
|------------------|----|
| 1 – Berth Cabins | 3 |
| 2 – Berth Cabins | 11 |
| 4 – Berth Cabins | 2 |
| Total (POB) | 33 |

Main Engines & Generators

| | |
|----------------------|------------------------------|
| Main Engines | MAK 9M25C, 2 x 3,000 kW each |
| Shaft Generators | Leroy 2 x 1,200 kW each |
| Diesel Generators | Caterpillar/C18 2 x 425 kW |
| Emergency Generators | Volvo Penta 1 x 265 kW |

Thrusters & Propulsion

| | |
|----------------|---|
| Bow Thruster | Kawasaki KT-72B3, 2 x Tunnel Thruster @550 kW |
| Stern Thruster | Kawasaki KT-72B3, 1 x Tunnel Thruster @550 kW |
| Propellers | BERG 2 x CCP Propellers in fixed nozzles |
| Rudders | 2 x independent high lift type |

Deck Crane

| | |
|-------------|---------------------------|
| Fixed Crane | SWL 5.0 T @ 18.0 m radius |
|-------------|---------------------------|

Anchor Handling/Tow Equipment

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|---------------------------|--|
| Tow/Anchor Handling Winch | Oil States 84-LHAW-220 1 x double drum waterfall |
| Stall Pull Capacity | 200.0 T |
| Brake Holding Capacity | 272.0 T |
| Tow Drum Capacity | 1,500.0 m x 64.0 mm dia wire |
| Anchor Handling Capacity | 1,500.0 m x 64.0 mm dia wire |
| Secondary Winch Capacity | NIL |
| Storage Reel Capacity | 1,500.0 m x 56.0 mm dia wire |
| Tugger Winch | Hatlapa 2 x 10.0 T each |
| Capstan | 2 x 5.0 T each |
| Shark Jaws | 1 x Triplex H-200 (SWL 200.0 T) |
| Tow Pins | 1 x Triplex S-115 (SWL 115.0 T) |
| Stern Roller | 6.0 m x 2.0 m dia (SWL 270.0 T) |
| Gypsies | 2 x 76.0 m |
| Chain Locker | 2 x 86.4 m ³ |

Tow/Anchor Handling Wires

| | |
|----------------------|------------------------------|
| Main Tow Wire | 1,500.0 m x 56.0 mm dia wire |
| Spare Tow Wire | 1,500.0 m x 56.0 mm dia wire |
| Anchor Handling Wire | 350 m x 64 mm dia wire |

Mooring Equipment

| | |
|-----------------|---|
| Anchor | 2 x AC-14 HHP Stockless anchors each 2,100 kg |
| Anchor Chain | 467.5 m x 38.0 mm dia |
| Anchor Windlass | 7.0 T @ 14 m/min |

Dynamic Positioning

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|------------|----------------------------|
| DP Class | DP 2, Kongsberg K-POS DP21 |
| References | 2 x DGPS + 1 x Cyscan |
| MRU | 2 |

Fire Fighting and Rescue

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|----------------------------|--|
| Firefighting System | FiFi 1 |
| FiFi Pump | 2 x 1,666 m ³ /hr |
| FiFi Monitors | 2 x 1,200 m ³ /hr |
| Spray Booms | 2 x 6.0 m, Fixed Nozzle |
| Dispersion Capacity | 10.6 m ³ |
| Foam Capacity | 10.6 m ³ |
| Rescue Boat | 1 x 6 man/rigid/160 hp + 1 x 15 man/rigid/160 hp |
| Life rafts | 6 x 25 man + 4 x 15 man |
| Life Buoys | 8 |
| Life Jackets | 69 |
| Fixed H2S Detection System | Yes |

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