

POSH RADIANT



8,000 BHP / 107.70 TBP / DP2 / AHTS

Call Sign: 3EAA7

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	Paxocean 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
Deadweight (Max Draft)	2,605.0 T @ 5.90 m draft
Displacement	4,855.0 T
IMO No.	9709881
Design	PaxOcean 8,000 BHP AHTS No. PD323

Dimensions

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

Performance

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 with ballast water)
Ballast Water *	667.4 m ³ (shared with drill water)
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 6Kgs

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
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Anchor Handling/Tow Equipment

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

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

Fire Fighting and Rescue

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
Dispersant 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

