Sapura Ônix

Seagems

DP Pipelay Support Vessel

General Information

Flag:	Panama
Classification :	Lloyds Register
Notations:	*100A1, Pipe Laying Ship, Helicopter Landing, Area, WDL (10 tm2 Aft to FR. 120) ShipRight ACS(B), LI*IWS, ECO, *LMC, CAC3, UMS, ICC, DP (AA), NAV-1, IBS.

Principal Dimensions

Length Overall:	145.95 m
Length Between PP:	135.22 m
Breadth Moulded:	29.94 m
Depth Main Deck:	13.0 m
Summer Draught (Max):	8.30 m
Draught Scantling:	8.5 m
Deadweight At Summer Draught:	13402 t
Gross Tonnage:	18098 t
Net Tonnage:	5429 t
Air Draft with A&R Post React:	48 m (With vessel draft of 6 m)

Tank Capacities (100%)

Heeling Tanks: 1010 m³
Fresh Water Tanks: 1010 m³
Water Ballast Tank: 4864 m³
Marine Gas Oil: 2000 m³
Technical Fresh Water Tanks: 1634 m³

DP Systems

DP Classification: Class II
DP System: KPOS DP22

Reference System:	1x Veripos DGPS
	1x SeaStar DGPS
	2x DGPS 232 / 432
	2x HiPAP 500
	1x Cyscan

Power and Propulsion

DP capability:	DP 2
Thrusters:	7 units
Stern Thrusters:	3 x 2950 kW
Retractable Thrusters:	2 x 2400 kW
Bow Thrusters:	2 x 2200 kW
Service Speed:	14.18 knots

Cranes

NOV Principal Crane

Main hook (AHC - Knuckle Boom):	250 t
Auxiliary Hook:	20 t
TTS Aux iliary Crane	
Main Hook:	30 t
Auxiliary Hook:	10 t

Heila Top TowerCrane

Double fall:	20 t
Single fall:	10 t
Personnel Lifiting:	2.5 t

Flexible Pipelay Capability

The ship has been designed by IHC Offshore & Marine, It is a vessel capable of operating in water depths of up to 3000m, suitable for worldwide operation. It is fitted with two underdeck storage carousels, with a capacity for 2,500 tonnes and 1,500 tonnes of product. A vertical (Tiltable) lay system (550 tonnes top tension capacity) is permanently installed for deployment of a range of flexible products with a diameter from 50mm to 648mm. The lay tower can operate at up to 10º inclination and is fitted with two tensioners, each of 275 tonnes capacity.

Two A&R winches are fitted of 3,000 meters of available wire length and a working capacity of 610 tonnes and 200 tonnes of top tension, respectively.

The worktable is designed to hang off products up to 600 tonnes and is fitted with a mechanism to allow the product to be rotated under full load. There are two 30t deck loading tensioners on the stern of the vessel.

ROV Systems

The vessel is fitted with two over side launched work-class III ROV's (TMT Typhoon - MKII) rated to 3000m depth.

Accommodation

Capacity: 120 persons

- 5 x Single Cabins (with dayroom)
- 31 x Single Cabins
- 42 x Double Cabins

Hospital:	For 3 – Person
Mess Hall:	For 60 – Person

Recreation Spaces:

- Lounge / video room, Smoking lounge, Internet lounge and Gymnasium

Helideck

D Value:	22m
T value:	12.8t

The vessel is fitted with an approved and certified helideck suitable for Sikorsky S92.

Communication System

The vessel is fitted with an extensive communications system including a dual KU /C Band Vsat satellite communication system, WIFI entertainment system, 2x Inmarsat C and Inmarsat F systems.

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