



Sealion

SEALION AMAZONIA

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6900 BHP DP11 DIESEL ELECTRIC ROV/SURVEY/SUBSEA SUPPORT VESSEL



SEALION AMAZONIA SPECIFICATION

GENERAL

Vessel Name	Sealion Amazonia
Built/Year	Itajai Shipyard / 2005
Flag / Port	Brazilian / Rio de Janeiro
Class	DNV +1A1, Supply Vessel, SF, EO, AUTR, HELDK-S with Intact & Damage Stability according to IMO Resolution A.469 (XII)
Official No.	TBA
IMO No.	9274862
Call Sign	PY2L
Gross tonnage	2,865
Nett tonnage	917
Deadweight	2,922

DIMENSIONS

Length OA	73.80 m
Length BP	65.00 m
Breadth moulded	16.00 m
Depth moulded	7.4 m
Draught (summer)	6.30 m

CONSUMPTION / PERFORMANCE

Free speed	13.5 knots @ 95% of 1,500 kW
Service speed	10-12 knots

CARGO DECK

Working deck dims.	45.20 m x 13.5 m (abt.)
Deck area (clear)	610 m ² (abt.)
Deck strength	5 tonnes / m ²
Deck load	750 mt (abt.)
Sheathed Deck	270 m ² (abt.)

CARGO CAPACITIES

Fuel Oil	900 m ³
Pot Water	500 m ³

MOONPOOLS

Main Moonpool	5.40 m x 4.80 m
HPR Trunks	2 x 500 mm dia. sea valve

HELIDECK

Helicopter	S-76 / Bell 412 / Bell 212 / Super Puma AS332L
'D' Diameter	18.7 m Hydro marine HD-72390

STABILISATION SYSTEM

2 x Flume passive roll reduction stabilisation tanks

LIFESAIVING EQUIPMENT

Fast Rescue Boat	Hydramarine DSB KOPAS 510 SR 5,100 x 2,050 mm. 9 persons.
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LIFESAIVING APPLIANCES

For 62 persons

DYNAMIC POSITIONING SYSTEM

IMO Class 2	Kongsberg SDP 21
Reference systems	2 x DGPS 1 x HiPAP
Transponder	Winch = 3,500 m cable
Deployment	'A' Frame over Bow

WHEELHOUSE

Joystick Control	Yes
Radars	Furuno Type RSB-096 / 097 2 x Forward + Repeater aft
Combined GPS / DGPS	Furuno Type GP90 Antenna 0185
Gyro Compass	1 x Nav + 2 DP Gyros Anschuetz STD22
Magnetic Compass	Cassen Plath Reflecta 1
Autopilot	Anschuetz Digital Pilotstar D
Echo Sounder	Digital readout Kongsberg EA 400 Furuno FCV 1,200 L
Doppler Log	Furuno DS 80
GMDSS	Sea Area A3 Furuno RC 1800
VHF Marine Radio	2 x DSC VHF units Furuno 8700
HF SSB Transceiver	Furuno FS 2570
Inmarsat	Sat C Felcom 15
Cellular Telephone	Digital GSM
VHF Hand Portables	3 x Icom GM 1500
EPIRB/SART	McMurdo Cospas / Sarsat 406 MHz
Navtex Receiver	Furuno NX - 500
Additional to GMDSS	
VHF Marine Radio	2 x Sailor RT 2047 VHF
VHF Hand Portables	6 x Icom IC-M15E VHF
UHF Hand Portables	4 x Icom IC-F40 UHF
Inmarsat	Fleet 77 Thrane & Thrane

PROPULSION

Diesel electric twin screw independently controlled fixed pitch azimuthing open propeller units.	
Aft Azimuthing units	Lips Steerable Thruster type FS250-S/WO 2 x 1,500 kW
Total Propulsive Power	3,000 kW (4020 BHP)

POWER GENERATION 690 / 440 / 3 / 60

Main Diesel Generators	4 x MAK 8M20 1,292 kW
Emergency Alternator	1 x Caterpillar 3406C 190 kW

BOW THRUSTERS

Forward Tunnels	2 x Jastram BU100F 1200 rpm, 800 kW
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DECK EQUIPMENT

Main Crane Duties 10 tonnes @ 18 m knuckle boom type	Hydramarine type HMC 1891 100 m Water Depth
A Frame:	Hydramarine type HMA 500 V1 SWL 50 tonnes hyd. 7.75 m clear of stern 13.0 m between legs
A Frame Winch	Brattvaag type LDM132047 46 tonnes Pull + 3,500 Cable
A Frame Vertical Rollers	12.25 m Centres
Stores Crane	6 tonnes @ 6 m / 3 tonnes @ 12.25 m
Duties 6 tonnes double fall, with 3 tonnes winch	
Windlass / Mooring	Brattvagg type BMG63046
winches (Split P & S)	2 x 15 tonnes hyd.
Capstans	Brattvaag type CM4185, 10 tonnes

ACCOMMODATION

Wheelhouse and accommodation fully air conditioned	
Single berth cabins	2 suites + 9 en-suite
Two berth cabins	25 en-suite
Hospital	1 en-suite
Complement	62 persons
Mess room	32 persons

This specification is subject to change without prior notification. The particulars are believed to be correct, but are not guaranteed.

SEALION AMAZONIA

The Sealion Amazonia is a purpose built ROV/survey/subsea support vessel. She is a diesel-electric variant of the very successful AS 516 design of ROV support/PSV's which are currently in service with Sealion Shipping Ltd in the UK and Brazil.

The vessel has been designed and built for world-wide operations but with an emphasis on the support of deepwater activities offshore Brazil. The Sealion Amazonia has a number of features that make her one of the most modern and adaptable vessels in this market

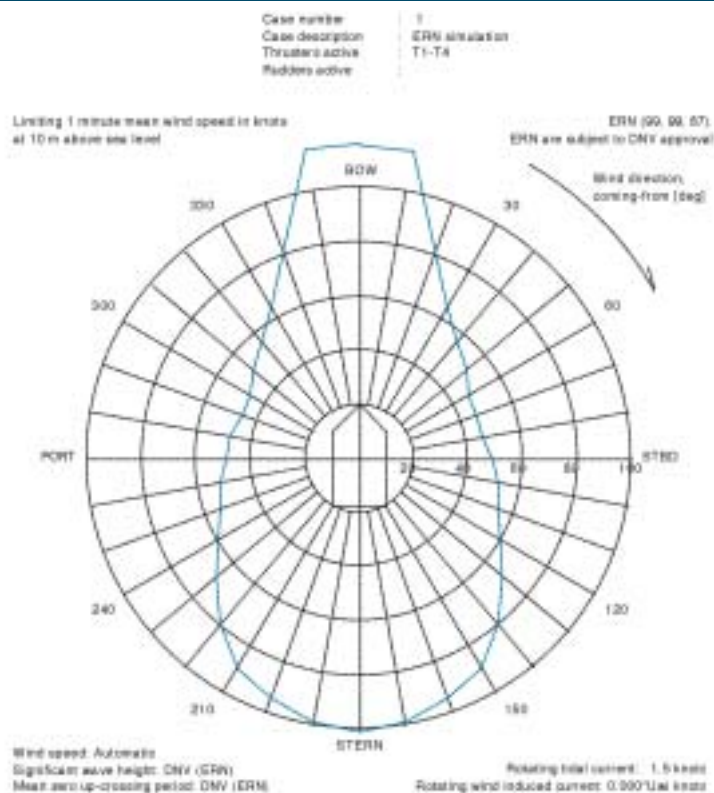
- A four engine/generator configuration allowing maximum flexibility of her diesel electric propulsion and power generation giving very economic fuel consumption
- Accommodation for 62 persons along with extensive Charterers survey spaces, operations rooms and offices
- A 50 tonne A-frame and 10 tonne deck crane plus a deep-water active heave winch and a deep-water constant tension winch
- Dnv DP Class 2 with multiple reference systems including HPR and 2 x DGPS
- A large cable hold providing approximately 224 m³ volume space with hatch access from the main deck
- Main cargo/working deck of 610 m² and dedicated ROV mezzanine deck of 140 m²

Sealion Do Brazil Navegacao Ltda (SBN)

SBN is a fully registered Brazilian shipping company owned jointly by Toisa Ltd and Petroserv SA. Toisa Ltd is a well known international offshore vessel owner and Petroserv SA is a highly respected Brazilian offshore service company. The Sealion Amazonia is the first vessel to be built in Brazil by SBN and marks the start of its plans to develop as a major Brazilian offshore vessel owner.



DYNAMIC POSITIONING FOOTPRINT AND CAPABILITY



SEALION AMAZONIA GENERAL ARRANGEMENT PLAN

