

DSV BELOV AMARALINA

Air Diving with Light Work Class ROV

BELOV



DSV designed by Robert Allan – Naval Architects and Marine Engineers (RAL). First Brazilian diesel-electric diving support vessel. The DP-2 rated vessel is fitted with air diving capabilities, a light Work Class ROV and knuckle-boom crane to allow effective offshore operations. The propulsion includes three main waterjets and three tunnel thrusters, which allow safe diving conditions while divers are near the surface.

REGISTRATION

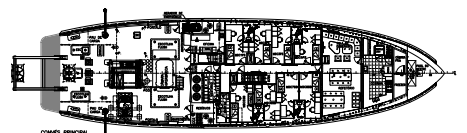
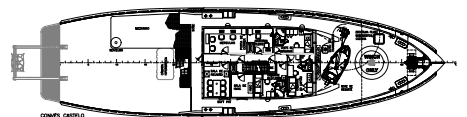
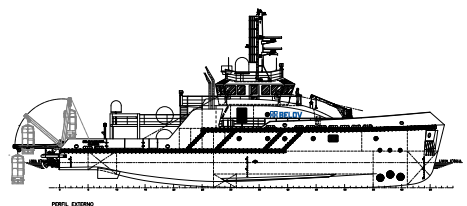
Vessel Name: BELOV Amaralina
Type: Diving Support Vessel (Petrobras SDVS)

Class: RINA C-SPECIAL SERVICE-DYNAPOS-AM-R, DIVING SUPPORT, UNRESTRICTED NAVIGATION, AUT-UMS

Year: 2020

Builder: BELOV Offshore Industrial Ltda.

Owner: BELOV Group



MAIN PARTICULARS

DIMENSIONS

Length overall	40.50 m
Moulded breadth	10.98 m
Depth	3.85 m
Draft	2.80 m
Deadweight	518.10 t
Net tonnage	149
Gross tonnage	499

ACCOMMODATIONS

Accommodation for	35 POB
Cabins	14
Hospital	1
1 mess room, laundry, galley, stores, diving control room, ROV control room, 1 office, change room, gym.	

CAPACITIES

Deck capacity	5.0 t/m ²
Fuel oil	90.5 m ³
Fresh water*	23.5 m ³

Diesel oil filtration system: GEA Westphalia with CJC separator	
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**Includes redundant fresh water generators (reverse osmosis)*

OPERATION

PROPULSION - MACHINERY

Main generators	4 x 565 kW
Emergency generator	1 x 96 kW
Main waterjets	3 x 520 kW
Bow tunnel thruster	3 x 150 kW

PERFORMANCE

Trial speed	11 knots
Economic speed	8 to 10 knots
Remark: vessel is diesel-electric	

Includes Hull Vane ® system for hydrodynamic efficiency and fuel savings.

EQUIPMENT & ELETRONICS

DECK EQUIPMENT

Main knuckle boom crane: 1 MELCAL Offshore Crane Foldable Telescopic Boom (Model FL20T1)			
Luffing (min/max boom angle)	-45/78°	Load capacity @ 6.15 m (max)	1.400 kg
Slewing range	360°	Load capacity @ 4.30	2.000 kg

ALARM & MONITORING SYSTEM

1 WEG IAMCS system control: Engines, main and emergency generators and thrusters; 1 K-IMS (Kongsberg Information Management System): heading, wind, motions, DP alerts

ELETRONICS

Radar / ECDIS, Gyrocompass, Magnetic compass, Speed log, Autopilot, GPS, 2 DGPS (for DP), Echo sounder, AIS, GMDSS, Inmarsat C Radio VHF Class A VSAT

GENERAL EQUIPMENT

Black water pump	1 x 5 m ³ /h
Gray water pump	1 x 5 m ³ /h
Ballast pump	2 x 130 m ³ /h
Bilge water separator	1 x 1 m ³ /h

SAFETY EQUIPMENT

Life raft: 1 x auto inflatable for 20 people each
Life vests: 47 x class 2
Fire-fighting/black water pump 2 x 55 m ³ /h
Emergency fire-fighting pump 1 x 25 m ³ /h

DIVING EQUIPMENT

AIR DIVING EQUIPMENT (50 M DEPTH)

Diving A-frame with open bell	3.00 t
Man-rider Winches by Ekron model EKPH-MR-2,5T	2 x 2.50 t
Decompression chamber model Deco 1800 by Totalmat	1 each

Air quads, compressor, filters, etc.

ROV EQUIPMENT

ROV A-frame	2.00 t
ROV AHC Winch Ibercisa Model MO-E/75/1000-26,72	1 each

Light Work Class ROV:

Leopard by SAAB Seaeye, 2000 m depth* rated, payload up to 205 kg, FW thrust 500 kg, vertical thruster 200 kg, including 2 x 7 f manipulators (Orion), waterjet, cavitation cleaning, CP probe, UTM, hydraulic circuit 40 l/min @ 200 BAR, various tools, etc.

**Ibercisa winch drum limited to 1000 m of cable*

PORTABLE CURRENT METER

Valeport 106 portable current meter	1 x 50 m depth
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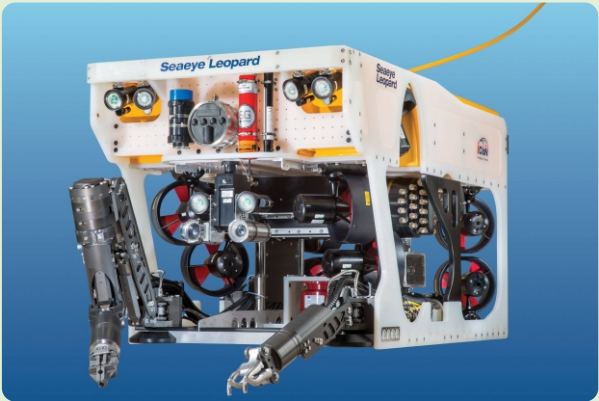
DYNAMIC POSITIONNING SYSTEM

1 Kongsberg DP system (class 2) comprising:

- 2 DGNSS (combined GLONASS and DGPS), including Follow target function, motion prediction and DP capability analysis functions.
- 1 Cyscan
- 1 RadaScan,
- 2 UPS
- 4 MRU-PD, 3 wind sensor
- 2 Gyros STD 22 Anschutz

CCTV

CCTV system covering:
Deck, ROV LARS, diving
LARS, wheelhouse, engine
room, subsea images from
ROV and diving, DP system
supervision and engine
room control.





www.belov.com.br

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