

SOUTHERN NOVA

VESSEL SPECIFICATION SHEET



OFFSHORE SUPPORT VESSEL DP2 DSV

The DSV Southern Nova is an integrated Saturation and Air Diving Support Vessel that has been supporting the Asia Pacific Region for more than 10 years. Unique features include a compact design with a generous 630 sqm of fully constructed steel back deck space for easy mobilisation and demobilisation, along with 116 sqm of Mezzanine deck.

Available with optional HRF compatible with vessel SPHL. A regional workhorse, she is ideal for light subsea construction and diving work, and DeepOcean has utilized her on jobs as varied as umbilical laying, pipeline decommissioning, riser, spool, and clamp installation. She comes equipped with survey and ROV systems.

DeepOcean Group of companies are active members of various associations including IMCA. All details are presented herein in good faith and are believed to be correct at the time of publication. System specifications are subject to change without notice.

KEY VESSEL FEATURES

- 2 X ROVS (WORK CLASS AND INSPECTION)
- 2 X AIR DIVE STATIONS
- SATURATION DIVING SYSTEM
- SMST 100MT SINGLE FALL KNUCKLE BOOM TYPE
- 630 m² CLEAR DECK SPACE
- ACCOMODATION FOR 128 PERSONS TOTAL
- HELIDECK
- BUILD 2010

CLASSIFICATION

CLASS NOTATION	ABS #A1 (E) Offshore Support Vessel, (DSV SAT, SPS, GP#DPS-2) SPS Compliant
FLAG	Liberia

POSITIONING

DYNAMIC POSITIONING	Kongsberg K-Pos DPS2 (IMO DPS class 2)
DP CLASS	IMO DP Equipment Class 2 (DPS-2)
DP REFERENCES	2 x DGPS 116 1 x HIPAP 500 2 x Taut Wire Mk 15/300
SENSORS	Radius 1000 3 x MRU 3 x Wind sensor

DECK EQUIPMENT

MAIN OFFSHORE CRANE	SMST 100 mt single fall knuckle boom type, man riding (both winches) with active heave compensation
AUXILIARY DECK CRANE	Palfinger telescopic boom type 1.8mt @ 14m, 5.3t @ 6m lifting

WHEELHOUSE

GYROCOMPASS	3x C. Plath Navigat x Mark 1 (Model 10)
AIS	1x Furuno Model FA-150
VDR	1x Furuno Model VR-3000
RADAR	2x Furuno Models FAR-2117, FAR-2137S
ECHO SOUNDER	1x Furuno Model FE-700
AUTO PILOT	1x Anschuetz Model NautoPilot 2015
SATELLITE EPIRB	1 x McMurdo Model E5 SMARTFIND 406

HELIDECK

	Helideck suitable for Sikorsky S92 / S61N and Super Puma
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SATURATION SPECIFICATION SYSTEM

CLASS/DESIGN	ABS Class / IMCA Compliant
CAPACITY	12 Man
DEPTH RATING	300m
BELL	1 x 3 Man
BELL MOONPOOL	PH Hydraulic
CHAMBERS	3.6m x 3.6m
SPHL	1 x SPHL
LSP PACKAGE	1 x LSP 'flyaway pack'
HRF (OPTIONAL)	1 x HRF with compatible mating spool

DIMENSIONS

LENGTH (LOA)	82.2 m
BEAM	20.48 m
DEPTH MOULDED	7.5 m
DRAFT	5.5 m
TONNAGE	Deadweight 2 700 t @ 5.50 design draft

ROVS

TYPE 1	1x 150HP SMD Mark II Quasar 3000m rated Work Class ROV
TYPE 2	1x Saab Seaeye Lynx 1500m rated Inspection class ROV

DECK CAPACITIES

CLEAR DECK SPACE	630 m ² @ 5 t/m ² fully constructed steel deck plus 116 m ² mezzanine deck
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PROPULSION

BOW THRUSTER	3 x 800 kW Kawasaki Bow tunnel thrusters
STERN THRUSTER	2 x 800 kW Kawasaki Stern tunnel thrusters
MAIN PROPULSION	2 x CAT 3516B DITA, 2575 BHP @ 1600rpm Total 5150 BHP with 2 x CPP in nozzle c/ w Becker high lift rudder
MAIN GENERATORS	6 x 1200 kW, 1 x 500 kW harbour gen, 1 x 800 kW Shaft Gen
EMERGENCY GENERATORS	1 x 800 kW (shipboard) + 1 x 700 kW (Dive)

AIR SPECIFICATION SYSTEMS

STATIONS	2 x Air Dive Stations + DDC
LARS	Dedicated twin LARS
DIVE CONTROL	Dedicated Dive Control

ACCOMMODATION

	128 pax 10 x single berth cabins 7 x twin cabins 27 x 4 berth 7 x offices 1 x conference room
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TANK CAPACITIES

POTABLE WATER	800 m ³
FUEL OIL	900 m ³