

ORIENTAL DRAGON

VESSEL SPECIFICATION SHEET



OFFSHORE DIVING SUPPORT CONSTRUCTION VESSEL (DPIII DSV)

The Oriental Dragon is a ST-246 Skipsteknisk design, 124m DP3, Saturation Diving Construction Support Vessel, specially designed for operations worldwide under the most challenging of environmental conditions and offering outstanding manoeuvrability and station-keeping.

The vessel is dual DNV and CCS classed. DNV *IA1 DSV (SAT, Surface), BIS, BWM(T), Clean Design, COMF (C-3, V-3), CRANE DK(+) DYNPOS (AUTRO), E0, ECA (SOX-A), HELDK (S, H), NAUR (AW), Recyclable, SF and SPS. The Oriental Dragon features an integrated twin bell* 24-man Drass Saturation Diving System, ROV hangers, approx. 900m² of available deck, a 250T AHC main crane, a 30T secondary crane, anti-heeling & roll systems, and accommodation for 120 pax.

With 45 days of endurance, the Oriental Dragon is the complete Construction Support DSV.

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.

*One fully operational for standard projects.

KEY VESSEL FEATURES

- 2 X WROVS
- DIVING EQUIPMENT
- 850 m² DECK AREA
- 45 DAYS OF ENDURANCE
- SPEED (@ 6.0M DRAFT) OF 14.5 KNOTS
- ACCOMODATION FOR 120 PERSONS TOTAL
- HELIDECK
- BUILD 2017

CLASSIFICATION

	DNV = GL & CCS
FLAG	Liberia

DYNAMIC POSITIONING SYSTEM

	DYNAPOS-AUTORO / CCS DP3
DP SYSTEMS	2 x HPR Systems 3 x DGPS Laser Based Reference System 3 x MRU's 2 x Taut Wire Systems

DECK EQUIPMENT

MAIN CRANE (AHC)	250T @ 12m, Subsea Lift, Single Fall, 3000m (AHC), Electro-Hydraulic Whip line: 20T @ 40m, Subsea Lift, 2000m (AHC) Personnel Lift: 10T (Whip Line)
SECONDARY CRANE (AHC)	30T @ 12m, Electro-Hydraulic Personnel Lift: 15T @ 12m
AUX OFFSHORE CRANE	5T @ 15m, Electro-Hydraulic Personnel Lift: 1T

NAVIGATION & RADIO COMMS

	Equipment According to GMDSS Regulation, Area 3
	2x Radars 3x Gyro Compasses Autopilot 2 x Electronic Chart Systems DGPS Calling, Command, CCTV

HELIDECK

	Suitable for Sikorsky S-92
RULES	CAA UK CAP 437, DNV HELDK-SH, China Aviation Authorities

DIVING EQUIPMENT

	Drass 24 Man SAT Dive System
BELL	2 x Bottom Mated bells
A-FRAMES	2 x A-Frames for Air Dive
MOONPOOL	2 x Moonpool (3.9m x 3.9m)
CHAMBERS	4 x 6 man DDC Chambers 1 x DDC Chamber for Air Dive
SPHL	2 x 24 man Hyperbaric Lifeboat
TUP	2 x TUP
GAS BOTTLES	Gas bottles for 24 man, 21 days @ 240m storage depth

DIMENSIONS

LENGTH (LOA)	124 m
BREADTH MOLDED	24 m
DEPTH TO MAIN DECK	10.2 m
MAX. DRAFT	7.3 m (approx.)
DECK AREA	850 m ²

ROVS LARS

	Fully Enclosed Double WROV Hangar & Separate ROV Workshops
TYPE 1	1x WROV for Launching through Moonpool, 3000m (4.9m x 4.9m)
TYPE 2	1x WROV for Launching Over Side, 3000m (side hatch opening)

PROPULSION SYSTEM

	Redundant Diesel Electric Propulsion System
MAIN THRUSTER	2 x 3200 kW CCP Main Azimuth Thrusters Aft
TUNNEL THRUSTER	2 x 1600 kW FP Tunnel Thrusters Fwd
RETRACTABLE THRUSTER	2 x 1400 kW CCP Retractable Azimuth Thrusters Fwd
MAIN GENERATORS	4 x 3490 kW Diesel Gen Sets, 720rpm, 690V / 60Hz 1 x 900 kW Harbour Gen Set, 1800rpm, 690V/60Hz
EMERGENCY GENERATORS	1 x 450 kW Set, 1800rpm 450V / 60 Hz 1 x 750 kW Set for Dive Eqpt, 450V / 60 Hz

SAFETY EQUIPMENT

LIFEBOATS	2 x 120 Pax. (82.5kg / person)
RESCUE CRAFT	2 x Fast Rescue Craft (FRC, 1 x SOLAS, 1 x IMO Res 266/84, SPS Code)

ACCOMMODATION

	120 pax 47 x single cabins 37 x double cabins 5 x offices (1 x clients office) 2 x conference room
--	---

TANK CAPACITIES

POTABLE WATER	1000 m ³
FUEL OIL	1800 m ³
STABILITY	Three passive Anti-Rolling tanks Four Anti-Heel tanks