

DPII DSV WHALE

**MULTI PURPOSE
CONSTRUCTION, ROV AND
DIVING SUPPORT VESSEL**



DSV WHALE SPECIFICATION

Vessel Name	DSV Whale
Previous Names	Toisa Sentinel/ TNT Sentinel / Seagair
Owners / Managers	ECBRAL International/RAL Offshore
Type / Design	Multipurpose Construction / Dive Support Vessel / ROV support vessel
Builder	Richards (Shipbuilders) Ltd, Lowestoft
Yard Number	550
Delivery Date	1982
Flag	Panama
Port of Registry	Panama
Official Number	46136-TEXT-1
Call Sign	3 FNQ 5
IMO Number	8002626
Classification	LRS + 100A1 + LMC UMS DP (AA), Diving support vessel
L.O.A.	94.30 metres
L.B.P.	87.46 metres
Beam (Moulded)	19.50 metres
Depth (Moulded)	7.30 metres
Draft (Summer)	4.74 metres
Freeboard	2.65 metres (Main Deck)
Max Deadweight	3,025 tonnes
GRT / NRT	4208 / 1262
Deck Cargo	1,200 tonnes
Deck Dimensions	54.0 m x 15.5 m (Clear area 775 m ²)
Deck Strength	5.0 - 7.5 tonnes / m ²
Fuel Oil	1,808 m ³ (+ 52.36 m ³ in service tanks)
Potable Water	587 m ³
Diving Gas Storage Hold	36 tubes (33.6 ft length) in cargo hold
Water Production	2 x 15 tonne/day water-makers
Diesel Electric Propulsion:	
Main Generators	4 x 3,243 bhp British Polar Diesel F216V engines driving 4 x Laurence Scott & Electromotors alternators, each rated at 2,850kVA
Total BHP	12,972 bhp
Auxilliaris	Harbour Generator: 1 x 450 kW 12STCWZ Dorman type Emergency Generator: 1 x 250 kW 6QT Dorman type
Electrical Power	220/415 V, 50 Hz
Main Propulsion	2 x Laurence Scott & Electromotors propulsion motors each rated at 1865 kW driving Ulstein 4 bladed variable pitch propellers in steerable nozzles
Bow Thrusters	2 x 800 bhp Ulstein 150TV transverse cp thrusters 1 x 1,000 bhp Lips variable pitch tunnel thruster
Stern Thrusters	2 x 800 bhp Ulstein 150TV transverse cp thrusters
Rudders	2 x rotating steering nozzles
Stabilisation	3 x large passive tanks
Joystick	Ulstein 6065 FCM
Tuggers	2 x 10 tonnes
Capstans	2 x 6 tonnes
Cranes	1 x 250 tonne Crane 2 x 4 tonne at 7.75 metre outreach Munck cranes
ROV	1 x SEAEYE PANTHER-XT 1 x LARS 1 x ROV Control room

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Fully air conditioned heat, and sound insulated accommodation for up to 60 persons, in the following arrangement: Recreation Spaces Hospital	5 x single berth cabins with WC / Shower 15 x double berth cabins with WC / Shower 9 x three berth cabins with WC / Shower 6 x four berth cabins with WC / Shower 2 x large rec spaces and 3 x mess rooms 4 x berths
Construction Load Capability Reception Room	Aluminium Construction with hydraulic folding sides Up to and including Sikorsky S61N or equivalent weight Helicopter Dedicated reception room by Helideck
Computer Reference Systems Redundancy	KONGSBERG, KPOS DP-21 DGPS HPR 410 HIPAP 500 2 x Taut wires FAN BEAM Yes
Speed Maximum Trial Cruising	13.0 Knots 11.0 Knots
Sea Passage On DP (Average) In Port	(max) abt 17.5 tonnes/day at 13.0 knots (econ) abt 10.0 tonnes/day at 10.0 knots abt 10.5 tonnes/day abt 2.0 tonnes/day
Radio room with following equipment: Radar, (Main) (Auxiliary) Autopilot Gyro Compass Gyro Repeater Echo Sounder Satellite Navigator Magnetic Compass 2182kHz W'Keeper Main Radio Station Emergency Transmitter Main Receiver Emergency Receiver Broadcast Receiver Lifeboat Set VHF's Marine Portable VHF's Navtex Epirb Sarts Doppler Log Anemometer Bridge Inmarsat C Inmarsat B	RADAR/ARPA, Vision Master ARPA/RADAR, DECCA- Bridge Master Decca Arkas 757 2 x Speny Navigat MK2 Microtechnica Bridgewings/Sc JMC, Navigation Sounder, F-2000 GPS, 1X Simrad GN33,1 X Furno- GP 150 Lillie & Gillie SR2 Marconi Warden 4 Marconi Conqueror HS 1158 Salvor 4 242 Pacific X 203 Pacific X 231 2 x Eddystone EB35 Mk 111 STC Solas 1V 2 x ITT STR 65, 1 x Sailor RT 144c 2 x Motorola MX 350 4 x Motorola MX 360 4 x ICOM IC M12 Shipmate RS6100 Kannad 406 FH 2 x McMurdo RT 9 Raytheon - Doppler DSN 450 RW Munro 1800/11064/1 1 x Sailor MF T x T1127 Type R117 Yes No

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

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Air Dive System	1 x Deck compression chamber 1 x Dive control room 1 x Air frame and diving basket 1 x Machinery container
SAT Dive System	Max working depth: 300m Capacity: 24 hours diving/day Bell: 1x3man Main chamber: 1 x 9 man HRC: 1 x 15m ³ 12-man rescue Reclaim system SAT control system Dive control system HP compressor LP compressor
Diving Moon Pool	Size: 3.3m x 7.5m
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