

## 274' Multi-Role DP2 Diving Support Vessel

This multi-role diving support vessel is ideally suited for Saturation and Air Diving Support, Structure Installation, Flexible Flowline & Umbilical Installation, IMR, Well Abandonment, and Riser Installation with activities utilizing surface air diving operations to 50 Meters, saturation operations to 300 Meters and ROV operations to 3000 Meters.

Comfortable berths allow the boat to accommodate 136 persons. 150-ton Main Deck Crane.



DOCUMENTATION	
Class:	Classification Lloyds register + 100A1 diving support ship, Helicopter landing area LMC, UMS, DP(AA), CAC (3), SPS(136). SOLAS 1974, MARPOL, Stability requirements according to IMO Resolution A.167 (ES. IV) and class/SF class, IMO A.469, ILCC-66, Tonnage-69, COLREG.
Vessel Type:	Multi-Purpose Support Vessel
Flag:	Cyprus
Built:	2005
DIMENSIONS	
Length:	274 ft (83.64m)
Breadth:	72 ft (21.95m)
Draught:	22 ft. (6.80m)
Deadweight:	2800te
Gross Tonnage:	6064 tons
Net Tonnage:	1820 tons
HELIDECK	
<ul style="list-style-type: none"> <li>• Euro Copter EC 225</li> <li>• Maximum "D" value: 19.5m</li> <li>• Maximum take-off weight: 11.0te</li> </ul>	

PERFORMANCE	
Max Speed:	13.0 kts
Cruise Speed:	10.0 kts
Fuel Consumption:	20m <sup>3</sup> / 24 hours (10 knot - economical transit speed) up to 30m <sup>3</sup> / 24 hours (13 knot - full speed)
DP Operations:	<ul style="list-style-type: none"> <li>• DSV operation with port and starboard moon pools and twin diving bells</li> <li>• ROV operations</li> <li>• Subsea installation works (Manifolds, PLETS, PLEMS Etc.)</li> <li>• Geotechnical survey</li> <li>• Module handling</li> <li>• Subsea Crane operations</li> </ul>
DP Rough:	22m <sup>3</sup> / 24 hours
DP Moderate:	20m <sup>3</sup> / 24 hours
DP Calm:	18m <sup>3</sup> / 24 hours
Harbor:	4/5m <sup>3</sup> / 24 hours (including main crane operations)
TANK CAPACITIES	
Fuel Oil:	1500m <sup>3</sup>
Ballast Water:	2626m <sup>3</sup>
Anti Rolling Tank:	4 x 697m <sup>3</sup>
Portable Water:	430m <sup>3</sup>
Lubricating Oil:	42.2MT

### ENGINE POWER & PROPULSION (MAIN ENGINES)

- 2 x Wartsila 6L32 engines
- Rated power 2880kW @ 720rpm each
- Actual NOx emissions Value: 11,7 g/kWh
- Fuel consumption@100% load: 186g/kWh
- Coupled with 2 x Marelli M8BM710LB10 Alternator

- 2 x Wartsila 9L20 engines Rated
- 1530kW @ 900rpm each
- NOx emissions Value 9,7 g/kWh
- Fuel consumption@100 %load: 195 g/kWh  
Coupled with 2 x Marelli M8BM 630MB8 Alternator Harbour Engine
- Mitsubishi S6A3-MPTA 460KW driving Newage Stamford HC-M53 4DC 50Kva
- Emergency Generator
- Mitsubishi MHI 6D24TC driving Newage Stamford HC M434E1, 690V, 60Hz.

### ENGINE POWER & PROPULSION (PRIME MOVERS)

- Main Azimuth Thrusters
- 2 x Rolls Royce Aquamaster US 305/5200 CP (2500 kW) Retractable Azimuth Thrusters
- 2 x Rolls Royce TCNS 92/62-220 variable pitch (2000 kW)
- Tunnel Thruster
- 1 x TT-2800 DPN CP (2000 kW)

### DYNAMIC POSITIONING SYSTEMS

DP System: Kongsberg SDP 21

DP Classification: DP (AA)

Reference Systems 2 x DGPS, 2 x HIPAP, 2 x Light Taut Wire, 1 x Radascan

### CARGO DECK

Deck Area: 645m<sup>2</sup>

Deck Strength: 7.0-10.0t/m<sup>2</sup>

### DECK CRANES

Main Crane:	Hydramarine
Main Hoist:	SWL 150t @ 5.5m to 10m
Main Hoist (AHC):	SWL 100t @ 5.5m to 15m
Whip Line:	SWL 15t @ 6.5m to 37m
Auxiliary Crane:	Dreggen
Deck Lifts:	SWL 10t @ 5m to 18m SWL 5t @ 18m to 20m
Subsea Lifts:	Restricted to 2t
Provisions Crane:	SWL 1t

### ROV SYSTEMS

Schilling's Heavy-Duty (HD) ROV System

150 hp HPU

3 t through-frame lift

250 kg payload

StationKeep™ installed, standard.

Compact footprint

High thrust performance

3,000 MSW standard; 4,000 MSW option

70 LPM auxiliary hydraulic system

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DIVE SYSTEM	
SAT System:	Drass 18 person (Limited to 15)
Max Operating Depth:	300m
Main Living Chambers:	2 x 6 person living chambers (25.0m <sup>3</sup> )
Decompression Chamber:	1 x 6 person living chamber (16.0m <sup>3</sup> )
Living/Medical Chamber:	1 x 4-person day chamber (14.2m <sup>3</sup> )
Day Chamber:	1 x 6-person day chamber (9.2m <sup>3</sup> )
HLB Evacuation Chamber:	1 x 15 person (8.0 m <sup>3</sup> )
Port Bell:	1 x 3 person (5.4 m <sup>3</sup> )
Starboard Bell:	1 x 3 person (5.4 m <sup>3</sup> )
Gas Storage: Mix Gas storage 88 bottles = 18832m <sup>3</sup> Air storage 4 bottles = 856m <sup>3</sup> Clean Gas Storage 2 bottles = 428m <sup>3</sup> Dirty Gas Storage 2 bottles = 428m <sup>3</sup>	
Dirty Gas:	2 x 200bar (535litre)
HP Gas Transfer Compressor: 2 x Rix 35 cfm (200bar supply) 1 x Compair compressor 65 cfm (200bar supply)	
LP Air:	Ingersol Rand UP630200 360 CFM (8bar supply)
Diver Gas Reclaim:	4 x Corken 11.4 cfm (70bar supply)
Air Diving:	1 x Air dive chamber, 2 x basket deployment skid Dive

DIVE SYSTEM (continued)	
Moonpool:	2 x moonpool (port/starboard)
Dive system classified to:	Lloyds Register Class IMCA, IMO & DMA
Dive System has split SAT capability	
COMMUNICATION SYSTEMS	
GMDSS AREA:	A1, A2, A3
VHF DSC/Radio-telephony x 4:	SAILOR RT5022
MF/HF DSC/Radiotelephony:	SAILOR HC4500/HT4520
INMARSAT C with built in EGC receiver x 2:	SAILOR TT-3000E
INMARSAT F:	SAILOR TT 3672A
NAVTEX receiver:	JMC NT2000
COSPAS-SARSAT free float EPIRB:	JOTRON TRON 40S
SART x 2	TRONSART
ACCOMMODATIONS	
Total:	136
Single Cabins:	20
Double Cabins:	11
4-man Cabins:	26
Hospital:	1
Messroom:	64 seating capacity
Recreation Room:	30 (non-smoking) 8 (smoking)
Gymnasium, Client Office, Inspection Suite, Project Office, Safety Office, 2 x Laundry, Heliport Reception, Ship's Offices, Conference Room	

