

DSV Paladin

Multi-Purpose Dive Support Vessel

OUTLINE SPECIFICATION / DATA SHEET



GENERAL

Builder / year Kleven Verft, Norway / 2008
 Design MT6016L
 Type IRM Class Saturation DSV
 Flag / POR British/London
 Class Notation DNV + 1A1, Ice C, SF, COMF-V(3), HELDECK - S, DSV-Sat, E0, Dynpos AUTR, CLEAN, DK (+)

Gross tonnage 5,648
 Nett tonnage 1,695
 Deadweight (summer) 4,500 tonnes

DIMENSIONS

Length OA 103.70 m
 Breadth mid. 19.70 m
 Draught (summer) 6.148 m

PERFORMANCE

Service speed abt. 10-11 knots

CARGO DECK*

Clear deck area 53.10m x 19.2m = 900m² (apx)
 Deck load Stern - fr#84 10 t/m²
 Deck load fr#84 - fr#109 5 t/m²
 Deck load with crane ops 1,000 tonnes
 Deck load without crane ops 2,000 tonnes

* Not accounting for reductions owing to mezzanine deck

TANK CAPACITIES

Approx. at 100%
 Fuel oil 1,319 m³
 Potable water 1,320 m³
 Potable water generators 2 x 25 tonnes/day

PUMP CAPACITIES

Fuel oil 2 x 90 m³/hr @ 9 bar
 Potable water 2 x 90 m³/hr @ 9 bar
 Ballast 2 x 90 m³/hr @ 9 bar

STABILISATION

Two passive roll reduction stabilisation tanks
 Automatic Anti Heeling System with 1,200m³/hr pump

DP2 SYSTEM

IMO Class 2 DP System - Kongsberg K-Pos DP-21
 2 x DGPS
 1 x HiPAP
 1 x hull penetration prepared for 2nd HiPAP
 2 x Taut Wire
 1 x Fanbeam

MAIN MACHINERY

Diesel Electric Installation 690 volts 60Hz comprising of:
 4 x Caterpillar 3516TA-C ea MCR 2,188kW, 2,100 EkW
 1 x Caterpillar 3508TA-B MCR 968kW, 910 EkW
 Emergency Generator Caterpillar C9, 200 EkW

THRUSTERS

Main Propulsion 2 x Aquamaster Azipull
 2,200 kW (2,950 BHP)
 BowThruster Azimuth 1 x R-R 883 kW (1,200 BHP)
 BowThruster Tunnel 2 x R-R 1050 kW(1,400 BHP)

DECK MACHINERY/CRANES

Main Offshore Crane, Offshore knuckleboom type with active heave compensation on main winch.

Main winch (Double Fall) 140t @ 9m
 Main winch (Single Fall) 70t @ 15m, 30t @ 25m
 Operating Depth Main Hoist (Subject to Wire Length)

2000 metres

Auxy winch 10t @ 26m

Auxy winch (manriding) 1t @ 26m

Note: Aux winch is not designed for subsea use

Stbd Deck Offshore Crane 10t @ 12m (man riding)

Port Deck Stores Crane 5t @ 15m

DIVE SYSTEM

Classification DNV
 Capacity 18 person system
 Depth rating 300m
 Sea state design criteria 4m significant wave height
 Bell chambers 1 x 3 divers
 2 x 6 person & 2 x 3 person
 Hyperbaric lifeboat 1 x 18 man SPHL
 Mixed gas storage 13,000 m³
 Moonpool 4.0m x 4.2m
 Dive emergency alternator 550 EkW, 440V, 60Hz
 Chamber gas reclaim system
 Diver gas reclaim system

DSV Paladin
Multi-Purpose Dive Support Vessel
OUTLINE SPECIFICATION / DATA SHEET



ACCOMMODATION

Wheelhouse, accommodation and office spaces fully air conditioned, all serviced with LAN and Sat TV sockets.

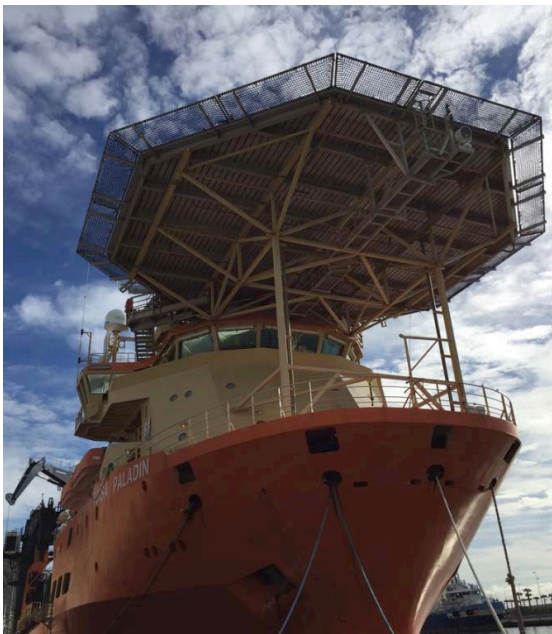
Single berth cabins	24 with en-suite
Double berth cabins	30 with en-suite
4 berth cabins	4 with en-suite
Complement	100 persons
Mess Room	48 persons
Hospital	1 person
3 x recreation rooms + coffee area	
Gymnasium	

CHARTERER'S AREAS

Project Office, Dive Office, Conference Room, Clients Office, Workshop, Survey area.

HELIDECK

D value of 19.5m and max gross weight of 9.2mt
Heli-reception room and full emergency equipment



CONTACT:

Shawn de Boer
email: shawn@subtechoffshore.com
Mobile: +27 83 680 8406
Mobile: +234 81 609 59101

Simon Wilde
email: simon@subtechoffshore.com
Mobile: +971 56 502 1088

www.subtech.co.za

