

ALTUS OPTIMUS



VESSEL DATASHEET

GENERAL SPECIFICATION

Classification-	± 1A1 Fire Fighter II SF HELDK DSV I DSV-III E0 DYNPOS-AUTR
Build Location	Framnes Mekaniske Verksted, Norway - 1985
Flag State Authority	Liberia
Port of Registry	Monrovia

MAIN PARTICULARS

Overall Length	83.40 m
Breadth	19.50 m
Depth Main Deck	8.60m
Draught Moulded	
Deadweight	2350 Tonnes
Gross Tonnage	4,782 Tonnes
Net Tonnage	1434 Tonnes
Design Draft	5.75m

ENGINE POWER & PROPULSION

MAIN ENGINES GENERATORS

2 x Bergen Diesel, Type KVGB-16

- Rated power 2,100 KW@ 900 rpm each

2 x Bergen Diesel, Type KVGB-12

- Rated power 2,100 KW@ 900 rpm each

GENERATORS

4 x NEBB WAB 800 E8

- Rated power 2625 KVA @ 900 rpm each
- 3 x 660V, 60 Hz

AZIMUTH THRUSTERS (PROPULSION)

2 x KaMeWa C.P Compass, RON MK II
1,740/680 kW @ 243/162 RPM each

BOW THRUSTERS

2 x Brunvoll SPR-VP, 920/590 kW at 295/220 RPM, tunnel thrusters
1 x Brunvoll SPR-VP, 590 kW at 220 RPM, tunnel thrusters

STERN THRUSTERS

1 x Brunvoll SPR-VP, 590 kW at 220 RPM, tunnel thrusters

DECK CRANES

Main Cranes	60t / 30 t (60 double fall w/ sheave)
Manufacturer	Hydralift / Hydralift
Operating Water Depth	350m / 350m
Location	Upper deck, aft, starboard side/ upper deck, forward, starboard side
Main Crane Comments	10t whipline, man riding
Auxiliary Crane Capacity	1.5t / 1.5t
Location	Upper deck, mid ships, starboard side/ upper deck, mid ships, port side

DYNAMIC POSITIONING SYSTEMS

DP System	Kongsberg Simrad ADP 531
DP Classification	DYNPOS-AUTR (Class II)
Reference Systems	
	2 DGPS, 1 HiPAP , 1 HPR 400
	2 Tautwire Bandak MK-5
	1 Fan Beam MDL-4

DP OPERATIONS

DSV Operations with two moon pool and twin diving bell
ROV operations
Subsea installation works (Manifolds, Plets, Plems etc)
Spoolpiece tie ins
Umbilical and Flexible flowline installation
Geotechnical and worksite survey
Subsea Crane operations

APPROXIMATE FUEL CONSUMPTIONS

Transit Speed	10 knots
Endurance	60 days
Full Speed	25m ³ / 24 hours (12 knot-full speed)
DP Rough	17m ³ / 24 hours
DP Moderate	15m ³ / 24 hours
DP Calm	13m ³ / 24 hours
Harbour	6m ³ / 24 hours

ACCOMODATION

Berths	86 (+12 in Saturation Chambers)
Cabins	57

MAIN DECK

Clear Deck Area	1,000m ²
Deck Strength	2.5t/m ²

DIVE SYSTEM

12 Man Saturation Dive System with 2 X 4.5 cu. meter Twin Bell
Maximum Operating Depth - 350 MSW
Air Dive System
2 X Air Dive LARs + 1 Triple Lock DDC