OVERVIEW

- Saturation & Air Diving Support
- Structure Installation
- Flexible Flowline & Umbilical Installation
- Inspection, Repair & Maintenance
- Well Abandonment
- Riser Installation
- Spoolpiece Installation
GENERAL SPECIFICATIONS

Classification: DNV + 1A1 SF, COMF-V(3)(C3); HELDK-SH, EO DYNPOS-AUTR, CLEAN, DSV-SAT, DSV-SURFACE

Build Location: Fosen Mekaniske Verksteder AS, NORWAY

Yard Number: 6

Design: ST-256-L

Delivered: 2007

Classification: Det Norske Veritas (DNV)

Call sign: 3EHY8

IMO Number: 9382815

Flag State Authority: Panama

Port of Registry: Panama

MAIN PARTICULARS

Overall Length: 106.60m

Breadth: 22.00m

Depth: 9.60m

Draught: 7.30m

Deadweight: 5337 tonnes

Gross Tonnage: 8009 tonnes

Net Tonnage: 2403 tonnes

APPROXIMATE FUEL CONSUMPTIONS

Transit speed: 24m³/24 hours (11 knot - economical transit speed)

Full speed: 36m³/24 hours (12.5 knot - full speed)

DP Rough: 18m³/24 hours

DP Moderate: 17m³/24 hours

DP Calm: 16m³/24 hours

Harbour: 8m³/24 hours (including main crane operations)

TANK CAPACITIES (100%)

Fuel Oil: 2240m³

Ballast Water: 2400m³

Anti Rolling Tank: 4 x 843m³

Portable Water: 551m³

Lubricating Oil: 81m³

CARGO DECK

Deck Area: 860m²

Deck Strength: 5.0-10.0t/m²

Maximum Deck Load: ~2000 tonnes depending on loading conditions and operations

Main Moonpool: 7.2m x 7.2m, situated on the centre line, main deck, 15.6m aft from amidships

DECK CRANES

Main Crane: Hydramarine crane, active heave compensated (AHC) 150 tonnes (Ø10m radius)

Auxiliary Deck Crane I: Dreggen crane 10 tonnes (Ø8m radius)

Auxiliary Deck Crane II: Provision crane 1.05 tonnes (Ø14.7m radius)

ROV SYSTEMS

Permanently installed garaged Observation class ROV, Seaeye Lynx 48, supplied with Techsafe Mk2 zoned LARS. Lynx 48 is depth rated to 1500m and carries 200m of tether. With a fibre optic mux and 2 cameras permanently installed there is additional capability to carry survey sensors plus manip skid and water jetting skids are supplied as standard. Control room is integrated into vessel adjacent to dive control and full stocked stores room and workshop is located on main deck adjacent to ROV LARS.

Note: All details believed correct but not guaranteed and are subject to alteration
**DIVE SYSTEM**

- **Saturation System**: Drägger 18 persons
- **Maximum Operating Depth**: 300m
- **Single lock Main Living Chambers**: 2 x 6 persons living chambers (25.7m³)
- **Triple lock De-Compression Chamber**: 1 x 6 person living chamber (29.2m³)
- **Twin lock transfer Chamber**: 21.5m³
- **SPHL Evacuation System**: 1 x 18 person (10.5m³) Ocean wide hyperbaric lifeboat
- **Port Bell**: 1 x 3 person (5.7m³)
- **Starboard Bell**: 1 x 3 person (5.7m³)
- **Gas Storage**: 23 x 2.0m³ & 23 x 2.4m³ tubes, (total capacity 20240m³ @ 200bar)
- **HP Gas Transfer Compressor**: 2 x Compair H 5437.1 HP Heliox compressors
- **LP Air**: 1 x Boge SD40-2 screw compressor
- **HP Air**: 1 x Bauer V5-HP V150-11-5 compressor
- **Diver Gas Reclaim**: 2 x Divex Gasmizer gas reclaim compressors
- **Air Diving**: 1 x Air dive chamber, twin basket deployment skid
- **Dive Moonpool**: 2 x Moonpool (port/starboard)
- **Dive System Classified to**: DNV

**COMMUNICATION SYSTEMS**

- **GMDSS AREA**: A3
- **VHF DSC/Radiotelephony**: x 4 SAILOR RT5022
- **VHF Emergency**: Jotron, Tran TR20
- **UHF Handheld Radios**: 10 x Motorola GP340
- **MF/HP DSC/Radiotelephony**: SAILOR HC4500/HT4520
- **INMARSAT C with built in EGC receiver x 2**: SAILOR TT-3000E
- **INMARSAT F**: NERA F77
- **NAVTEX receiver**: MCMURDO NAV-7
- **AIS**: SAM Electronics, DEBEG 3400
- **COSPAS-SARSAT free float EPIRB**: JOTRON TRON 405
- **SART x 2**: TRONSArt
- **GMDSS VHF x 3**: JOTRON TR20
- **SAT TV**: British (Sky) & Norwegian (Canal +,NRK,TV2)
- **Data Transfer**: 512 kbps

**ACCOMMODATION**

- **Total**: 105 + 18 divers in SAT
- **Single Cabins**: 20
- **Double Cabins**: 39
- **4 Bed Cabins**: 2
- **Hospital**: 1 + Examination table
- **Messroom**: Seats 66
- **Recreation Room**: TV Lounge, seats 16
- **Recreation Room**: Internet Lounge, seats 17, TV, 2 x internet workstations
- **Smokers lounge**: TV, seats 12
- **Gymnasium**: Equipped
- **Client Office 1**: 4 x Workstations
- **Client Office 2**: 5 x Workstations
- **Photo Copier Room**: Photocopier, filing cabinets
- **Project Office**: 6 x workstations, photocopier, survey desk
- **Ships Office**: 2 x workstations
- **Offshore Project Managers Office**: Workstation
- **Field Engineers Office**: Workstation
- **Heliport Reception**: Reception desk and seating area
- **Dive Technicians Office**: 3 x workstations
- **Conference Room**: Wall mounted TV connected to workstation with remote keyboard and mouse, seats 14
- **Dive Control (port/starboard)**: Dive control Centre, Dive coordinators office + 2 x workstations stbd/ROV control port
- **Saturation Control**
- **Saturation Control Kitchen**: Kitchen for diver’s needs + washing machine and dryer
- **Dive Technicians Workshop**: Bench, vice, pillar drill, compressed air, tools etc...
- **Engine Room Workshop**: Bench, vice, pillar drill, lathe, bench grinder, compressed air, tools etc...

**DOCUMENTATION AVAILABLE ON REQUEST**

- Dive System Design Audit
- Dive System FMECA
- Vessel FMEA
- DP Trials Report
- Response amplitude operators (RAO’s)
- Stability Booklet
HELIDeck

Sikorsky S92

Maximum "D" value: 20.88m

Maximum take-off weight: 12.8t

DNV Classed and complies with the requirements of CAA CAP437

Heli-beacon Tele supply A.S., type TS-20B

### Table 1

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<thead>
<tr>
<th>Type</th>
<th>D Value (Metres)</th>
<th>Perimeter 'D' Marking</th>
<th>Rotor Diameter (Metres)</th>
<th>Max Weight (kg)</th>
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Helideck Monitoring System (HMS)

Kongsberg HMS 100