

Seisranger

LIGHT CONSTRUCTION
SUPPORT VESSEL



The Seisranger is a multi-purpose offshore support vessel, with a primary light construction and ROV support function. The main workclass ROV has the capability to operate in deepwater locations up to 2,000m, deployed through the vessels centreline moonpool.

- Length 85.4m
- Breadth 20m
- Cargo Deck Area 520m²
- 50t offshore crane (43t with current wire capacity)
- 40t A-frame
- 1 x Auxiliary after deck crane
- 1 x Focsle stores crane
- 2 x Workclass ROVs
- Two traditional variable pitch main propellers, three variable pitch bow tunnel and two variable pitch stern tunnel thrusters.
- Class II DP System

General Information

Classification	DNV, +1A1, EO, DYNPOS AUTR HELDK
Built	Lofallstrand, Norway (1993)
Flag State Authority	NIS (Norway)
Port of Registry	Bergen

Dimensions

Overall Length	85.40m
Breadth	20.00m
Depth (to lower deck)	7.40m
Depth (to main deck)	10.00m
Draught (summer)	6.56m
Deadweight	2191t
Gross Tonnage	5457t
Net Tonnage	1637t

Manoeuvring and Propulsion Systems

Main Engines	2 x 2312kW (Ulstein Bergen KVG-12) 2 x 1540kW (Ulstein Bergen KRG-8) 2 x 1200kW (Caterpillar 3516) 1 x 640kW (Caterpillar 3412)
Generators	2 x 2890kVA (3 phase 660v) 2 x 1925kVA (3 phase 660v) 2 x 1500kVA (3 phase 660v) 1 x 800kVA (3 phase 440v)
Main Propulsion	2 x four bladed variable pitch propellers with becker high lift rudders
Tunnel Thrusters (bow)	2 x 1280kW(variable pitch) 1 x 735kW (variable pitch)
Tunnel Thrusters (stern)	2 x 735kW (variable pitch)

Dynamic Positioning Systems

DP Classification	DYNPOS AUTR (Class II)
ERN Rating	98.5.98.5.95
DP System	Kongsberg Veripos Simrad SDP21
Reference Systems	2 x DGPS 1 x Seapath 200 1 x tautwire, 1 x HiPAP 1 x fanbeam

Speed / Consumptions

Economical Speed	10 knots at 18t/per day
Full Speed DP Operations	14 knots at 24t/per day 15t/per day

Tank Capacities (100%)

Fuel Oil	1350m ³
Fresh Water	480m ³
Ballast Water	340m ³
Lub. Oil	40000 Ltr

Deck Cargo

Deck Area (main deck - clear)	520m ²
Deck Area (hangar)	200m ²
Deck Strength (main deck)	5t/m ²
Deck Strength (main deck aft of hangar)	4.5t/m ²
Deck Strength (main deck by A frame)	1.6t/m ²

Deck Cranes and A-Frame

Main Deck Crane (Main Line)	50t at 15m (43t with current wire capacity) 20t at 20m
Main Deck Crane (Whip Line)	10t at 18.5m

The main deck (TTS Norlift) crane is a knuckle boom unit with constant tension and fitted with a dedicated tugger winch. Ship to ship transfers are capable on the main and auxiliary lines. The main crane has been used for FSS and Mattress installation and Pre-commissioning (pressure testing, de-watering and inerting).

Auxiliary Deck Crane I (Hydraskin)	5t (main deck)
Auxiliary Deck Crane II (Hydralift)	2t (focsle)
A-Frame (Hyrdamarine)	40t

ROV Systems

The vessel is fitted with two workclass ROVs rated to 2000m as standard, one moonpool (5.4m x 5m, passive aeration) and one deck mounted side-launched system. An observation class ROV is also fitted as standard and launched through the vessels port side door. Extensive on/off-line survey, inspection, client, project and ROV offices are available.

Accommodation

	69 persons
Single Cabins	41
Double Cabins	14
Hospital (not included in total)	1

Helideck

The vessel is fitted with an approved and certified helideck. The helideck has a D value of 19.5 and is approved for Super Puma operations.

Communications Systems

The vessel is fitted with Fleet 77 System and Inmarsat C. In addition the vessels KU Band system has the option to be converted to C Band as operational requirements demand.