

She was built for The Norwegian Institute of Marine Survey. Research / Bathymetry and Geotechnical survey with DNV-GL World wide certificate.

Dynamic Position, Sonar, Sea Bed mapping sounder, Stabilizer hydraulic retractable keel, ROV Winches, ROV A-frame, Trawl winches, Laboratory, ROV Hangar, 4 hydraulic cranes etc. Originally built for DNV Ice C. Heating cables in all decks. Stabilization tank.

The vessel underwent 5-year DNV class spring 2017. Lighter upgrades and mounted V-sat, satellite TV, and Furuno ECDIS .

The boat is well suited for many types of missions, equipped with an arrangement for trawl / towing missions. Various winches for depth measurements / sampling. Sonar and «State of the art» sonar to advanced bottom measurements. 2 x Rapp Marine ROV winches. ROV Hangar with hydraulic port. The boat appears to be very well maintained and has for example. a roof area of 140m².

The machine room is equipped with Bergen Diesel at 1500 hp, side propellers at the front and rear. The auxiliary machinery is 2 x Volvo Penta. Compressors for seismic operations. Cruising speed: 12 knot Max speed 14. knot.

The vessel has 25 beds divided into 20 cabins. The boat has a dining party where 16 crews can eat at the same time. Modern galley center with all equipment, cool and freezing capacity.

In April / May 2017, DNV-GL was awarded the highest grade certification. Speed certificate "World wide" is valid until June 2022.

Length (M):	47.24	Range (n. mi.):	6500	Crew:	4
Beam (M):	10.32	Endurance (days):	21	Officers:	4
Draft (M):	5.00	Cruise speed (kt):	12.0	Scientists:	17
Gross Tons:	497	Max. speed (kt):	14.0	Air Cond.:	yes
Power (HP):	1500	Aux. Power (HP):	562		

Main vessel activity

Oceanography, Fisheries, Geology, Hydrography

Year built: 1980

Ocean area where vessel operates: Atlantic, Northeast; Atlantic, Northwest;

Norwegian Sea

Capacities and working spaces

Fuel: 160m³
Fresh water: 46m³
Wet laboratories (total area): 16m²
Dry laboratories (total area): 64m²
Fresh water generator capacity: 4m³
Freeboard to working deck: 2.4m
Free working deck area: 100m²
Space for container laboratory: 2m x 4m

Design Particulars

Hull materials: Steel

Energy sources

Main engine: Bergen Diesel
Power (BHP) each main engine: 1500 at 825rpm
Total power auxiliary diesels: 562HP

Electrical systems

AC Voltage: 380/ 220V, total 300kVA, 3phase, 50Hz

Stabilised system for scientific equipment: 220VAC 50AMP 50Hz

Navigation and communication

Nav. equip: Radar Loran Decca SatNav Gyro DopLog

Comm sat

GPS

Acoustic

Echo-sounders for scientific research: 38kHz 12kHz

Sonar: Fisheries

Oceanographic

Oceanographic winches: number: 2

Steel wire length: 5000m,

Conducting cable length: 600m, safe working load: 1tons

Trawl winch length: 5000m, safe working load: 2tons

Gantry

Position: Midships

Clearance above deck: 3m and outboard extension: 2m

Safe working load at max. reach: 0tons

Crane

Position: Stern

Clearance above deck: 9m and outboard extension: 7m

Safe working load at max. reach: 3tons