

ST-369

Skipsteknisk 

74,5 m Fishery and Oceanographic Research Vessel
for NORAD and IMR, Norway.

> RV "Dr. Fridtjof Nansen"



Operator - Institute of Marine Research (IMR)



*Owner - Norwegian Agency for
Development Cooperation*



Norad

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GENERAL

The **ST 369** is designed by **SKIPSTEKNISK AS** for worldwide scientific operations. The vessel is built by Astilleros Gondan in Spain and outfitted and prepared mainly for the following duties:

- Fisheries Resource Monitoring
- Ecosystem Investigations
- Oceanographic/Environmental Surveys
- Bottom Habitat Mapping
- Single- and Multibeam Echosounder Surveys
- Integrated Data Logging

Underwater Radiated Noise reduction according to ICES 209.
Delivered in January 2017.

MAIN CHARACTERISTICS

Length over all	74.50m
Length between p.p	66.10m
Breadth moulded	17.40m
Depth to lower deck	5.90 m
Depth to main deck	8.60m
Design draft	5.80m
Gross tonnage	3884 GT

SPEED

Survey speed 11 knots, Trial speed 14,5 knots

ACCOMMODATION

Accommodation for	45
Scientists	30
Officers/Crew	15

TANK CAPACITIES

Fuel oil	482m ³
Potable Water	175m ³

ANTI-ROLL/ANTI-HEEL

The vessel is arranged with semi-active stabilizer tank system.

CLASS

DNV-GL +1A1, E0, ICE-C, SPS, DYNPOS-AUT, NAUT-AW,
COMF-C(2)V(2), BWM-T, TMON, Recyclable, CLEAN

Compliant With IMO Res. MSC.266(84) Code of Safety
for Special Purpose Ships 2008

MAIN PROPULSION SYSTEM

- Diesel electric propulsion plant, make Ingeteam
- 2 x AC electric motors in tandem, each 1500 kW, 0-180 rpm, reversible.
 - 1 x FP propeller, 3600 mm

POWER GENERATING PLANT

- Power generation plant, make MaK/Caterpillar
- 2 x 1710 kW/1000 rpm, diesel generator sets
 - 1 x 1140 kW/1000 rpm, diesel generator set
 - Alternators, 690 V/50 Hz.

SIDE AND AZIMUTH THRUSTERS

- Maneuvering thrusters, make Brunvoll AS
- One Super-silent tunnel thruster in bow 600 kW
 - One tunnel thruster in stern 600 kW
 - One retractable azimuth thruster in bow 880 kW

WINCHES, CRANES, HANDLING EQUIPM

Electric winches, make Rapp Marine AS

Oceanographic:

- 1 x CTD winch, 4500 m - ø8,18 mm, SWL 3,0 t.
- 1 x CTD/Sonde/pod winch, 4000 m - ø18,5 mm, SWL 4,1 t.
- 1 x General purpose winch, 2500 m - ø12,7 mm, SWL 4,2 t.
- 1 x Benthos winch, 2500 m - ø12,7 mm, SWL 4,2 t.
- 1 x Multipurpose el/opt. winch, 3000 m - ø13,6 mm, SWL 4,1 t.
- 1 x Plankton net winch, 4500 m, ø8 mm, 3,0 t.

Fishery:

- 2 x Trawl winches, 4500 m - ø26 mm, SWL 41,7 t..
- 1 x Pelagic net drum, 14 m³, SWL 40 t.
- 1 x Demeral split net drum, 6+8 m³, SWL 2 x 26,6 t.
- 1 x Gilson winch, 190 m, SWL 10 t.

Deck cranes and frames, make Triplex.

- 1 x 7,5 t/16,2 m elbow derrick crane, midship
- 1 x 3 t/14,9 m elbow derrick Crane, aft ps
- 1 x 1,7/13,7 m elbow/telescope derrick Crane, aft stb.
- 1 x 3 t/10 m elbow derrick Crane, forward stb.
- 1 x A-frame 10 t SWL in stern
- 1 x A-frame 10/15 t SWL in hangar stb.
- 1 x CTD davit, 3 t SWL in CTD hangar

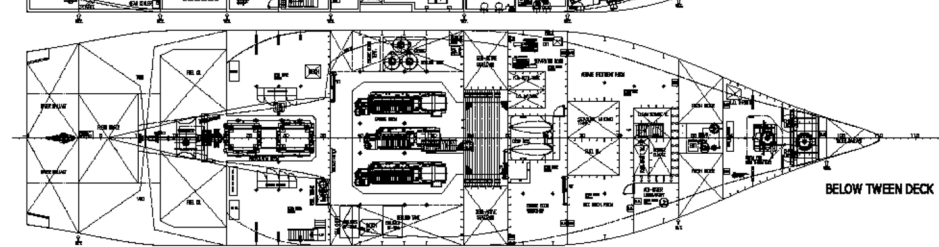
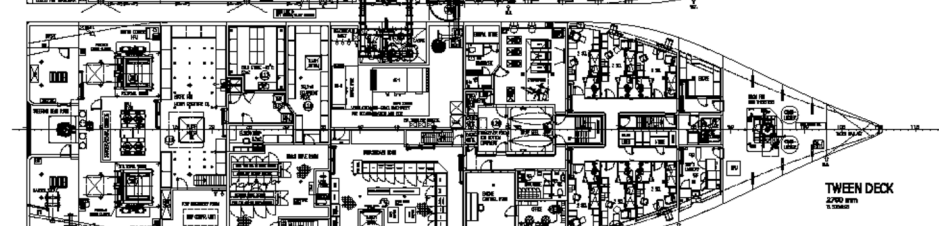
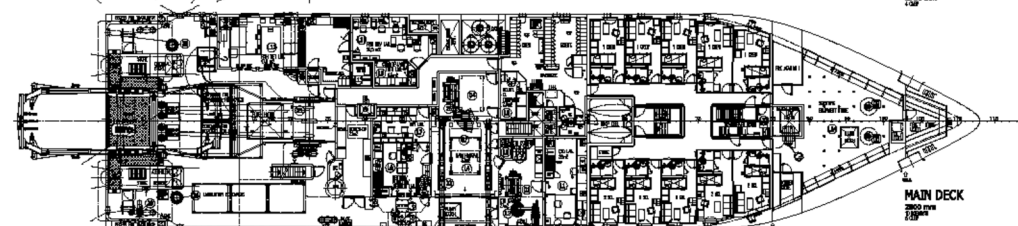
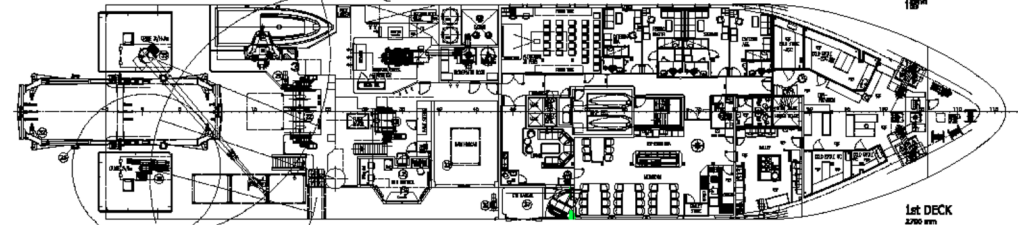
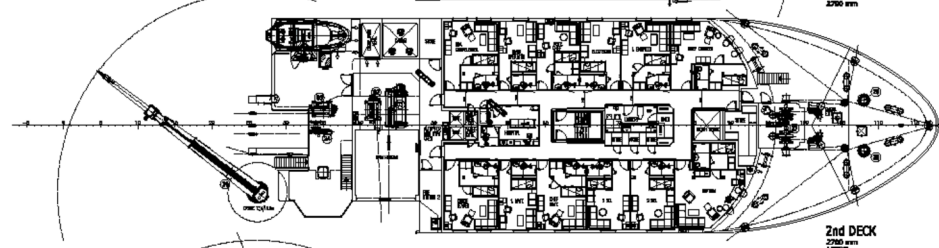
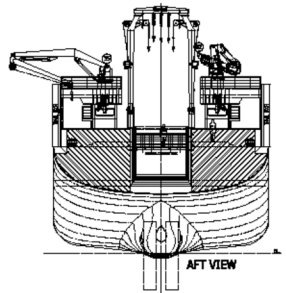
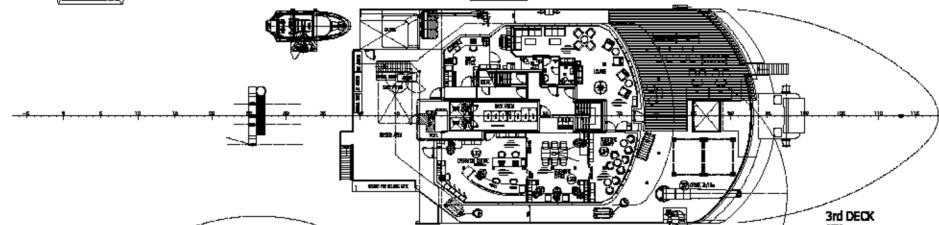
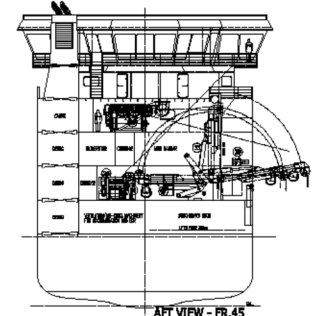
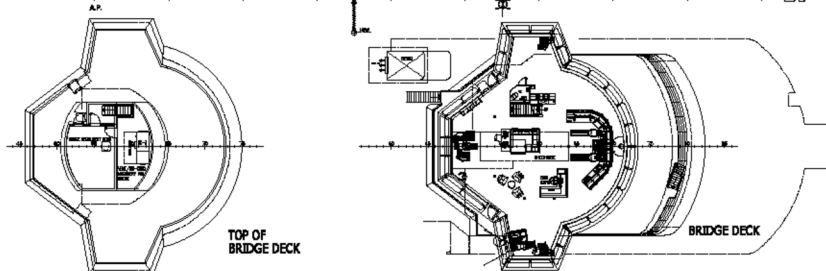
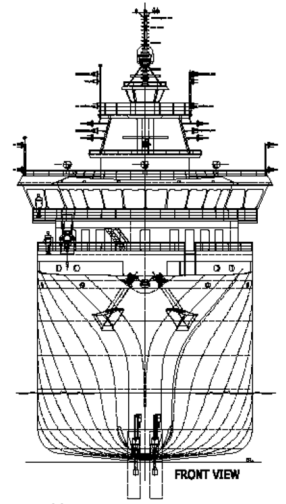
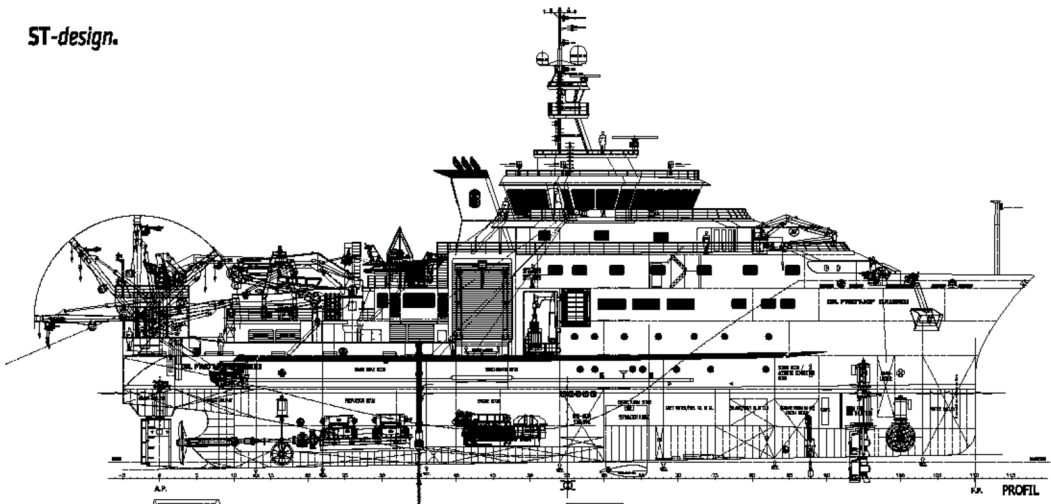
LABORATORIES

- CTD laboratory
- Benthos/Plankton/Sediment laboratory
- Dry laboratory
- Climate laboratory
- Fish wet laboratory
- Fish dry laboratory
- Acoustic operation centre

SCIENTIFIC EQUIPMENT

Echo sounders and sonars from Kongsberg Simrad.

- Underwater Acoustic Instrumentation
Scientific Echosounder EK80(18, 38, 70, 120, 200, 333 kHz), drop keel mounted
Medium Water(2000 m) Multibeam Echosounder EM 710, drop keel mounted
Deep Water(5000 m) Bathymetric Multibeam Echosounder EM 302, hull mounted
Sub Bottom Profiling system SBP 300
Omni-directional Fisheries Sonar, Intermediate range SH 90
Omni-directional Fisheries Sonar SU 90
ADCP(75 kHz and 150 kHz), drop keel mounted
High Precision Acoustic Positioning and Underwater Navigation system, HiPAP 501
- CTD with water sampling rosette
- Automatic Meteorological station
- Scanmar Trawl Geometry and Catch Monitoring instrumentation
- Scientific Work Boat, 11 m boat for shallow water work



RV "Dr. Fridtjof Nansen"

ST-design ®

GENUINE SHIP DESIGN - *freedom to create*

HAVNEVIK



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