



CLASSIFICATION NOTATIONS

BV CARGOVESSEL
 MEST RV5414 Special Service / Oceanographic and Fishing Research Vessel
 Unrestricted Navigation
 AUT-UMS
 DYNAPOS-SAM
 CLEANSHIP
 NON-SHAFT
 URN-special vessel
 DNV Silent-R
 POLAR CAT-C ICE

OPERATIONS

Pelagic trawling
 Bottom trawling
 Underwater Acoustic research
 Plankton sampling
 Hydrographical operations
 Bottom sampling
 Additional operations withaux. equipment temporarily located on container area/other areas
 Towed body operations
 Core operations
 Seismic Operations
 ROV operations
 Environmental operations

MAIN CHARACTERISTICS

Length O.A.	54,09m
Length P.P.	52,29m
Beam MLD	13,60m
Max Draught	6,40m
Service speed	11 Knots
Max speed	14 Knots
7 Decks, including Tank Top and Wheelhouse	

MACHINERY / PROPULSION

2 x Wärtsilä 8L20 AUX GEN SETS á 1500 kW
 Wärtsilä SAM – 1 x VEM (2x1664A – 2.400 kW) el-propulsion motor
 Wärtsilä 5 bladed 3,6m D Fixed propeller
 Becker Marine Spade Type Rudder System
 Bollard pull 27 tonnes at 5 knots
 NORDHAVN/Scania marine harbour/emergency genset 379 kVA
 BRUNVOLL Combined Tunnel/Azimuth Thruster 800 kW

DP SYSTEM CONTROLS

Wärtsilä main propeller
 Becker Marine Rudder
 Brunvoll Retractable azimuth thruster

CAPACITIES

Crew + Guests	13 + 12
Hold (Freeze and Cooling)	~88 x 300 l boxes
Fuel oil	~350 m ³
Fresh water	~75 m ³
Ensilage tank	
GT	~1900 tonnes
NT	~600 tonnes

ACCOMMODATION

13 single cabins
 6 double cabins
 Hospital with 2 beds

INSULATION/AMBIENT CONDITIONS INSIDE & OUTSIDE

+32 °C to -25 °C

DECK EQUIPMENT

50 mm oak wooden deck covering on Trawl Deck and in Hangar

Electrical driven Rapp Marine Winches:

- 1 ea. Anchor winch
- 2 ea. Capstans
- 2 ea. Trawl winches á 30,6t / 40m/min 1.st layer
- 1 ea. Net drum
- 1 ea. Portable Netdrum
- 6 ea. Sweep line and Gilson winches
- 2 ea. Outhaul/mocness winches
- 2 ea. Net sounder winches
- 4 ea. Backstrap/Gilson hook winches
- 1 ea. Coring winch
- 2 ea. CTD Winches

MELCAL CRANES:

Offshore Crane, knuckle boom	6t / 18m
Cargo deck crane, stiff boom	3t / 7m
Stiff boom crane	4t / 6,3m
Offshore A-Frame in hangar	3T / 2,56m
4 x 4m Folding hangar door SB	
Outboard service platform	

SPECIAL EQUIPMENT FACTORY

Wet and Dry Laboratories

Cutting stations

Fish washing bins

Slurry ice System 3t/day

Coolant/freeze of cargo hold

Ensilage system

High Pressure Water Unit 0-90o

NAVIGATION EQUIPMENT WARTSILA LYNGSØ

GMDSS A3

Sat compass and GPS nav.

Autopilot

Radars

Echo sounder

Plotter system

BOTTOM EQUIPMENT

MEST drop keel system (3m under bottom) for echo sounders and other misc. equipment. Capable of noiseless use (Silent-R) when sailing 11 knots.

Kongsberg Fish-Finding and Scientific equipment:

- Kongsberg EM712 – Seabed Mapping System
- Kongsberg TOPAS PS18 – Sub-bottom Profiling
- Kongsberg Seapath 380-R3 - Heading, Altitude and Positioning system
- Kongsberg HiPAP 352P – Portable Acoustic Positioning system
- Ocean Surveyor ADCP – Current Profiling Measurement
- Simrad EK80 – High Precision Scientific Sounder System
- Simrad ME70 – Multibeam Echo Sounder
- Simrad CS90 – Broadband Fish Finding Sonar
- Simrad SU90 – Low Frequency Fish Finding Sonar
- Simrad FX80 – Trawl Video Feed
- Simrad TV80 – Trawling operation tool

