RV Skagerak is a Special Purpose Ship, designed to support multidisciplinary coastal and oceanographic research, education and commercial use

Technical Specifications

General
Vessel Name: R/V Skagerak
Owner: University of Gothenburg
Managing Company: Northern Offshore Services
Flag: Sweden
Call sign: SEYD
IMO: 9776963
MMSI: 266459000
Port of registry: Gothenburg, Sweden
Built: 2014-2021
Builder: Nauta Shiprepair Yard S.A, Gdynia
Completed at Falkvark, Sweden
Range: Sea area A (all seas)
Classification: Special Purpose Ship
Class notation: Unrestricted nav., Comf noise 3, CPS(WBT), Comf-Vib 1PK, Aut-Ums, Green Passport, BWT, OWS-5ppm, Cleanship, Ice Class 1B

Dimensions
Length Overall: 49.15 m
Length waterline: 46.44 m
Width: 11.25 m
Depth to maindeck: 2.1 m
Draft (max): 3.9 m
Air draft: 22 m
Gross Tonnage: 916
Light ship weight: 916.45

Contact:
Ship Manager
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Multifunctional work deck

Deck space: 132.64 m², executed with container fittings in different configurations
Hanger: 38.3 m²
A-Frame: Moveable. Reach 7 m, 8 tonnes
Deck crane: Triplex KN10, max 10m SWL 2000kg / 6m SWL 4000kg
Provided power: Power outlets for 400 V 125 A (for ROV), 400 V 32 A and 230 V 16 A (on deck and in hanger), 230 V 10 A in laboratories
Oceanographic winch: 2000 m (12 mm) wire with fiber-optic and electric cable, 4 tonnes
CTD/ROV-winch: 4000 m (8.3 mm) fiber-optic and electric cable, 4 tonnes
Plankton winch: 1000 m (6 mm) galvanized wire
2 x general purpose winches: 2 x 2000 m (16 mm) galvanized wire
Telescop boom: Triplex, max 3.8 m SWL 3000 kg

Survey and Scientific Equipment

Multibeam: Kongsberg EM 2040 0.4x0.7 degree dual RX/single swath, 200/300/400 kHz with EM16 Hull Unit
Subbottom: Topas PS40
USBL positioning: Kongsberg HiPAP 501, manual gate valve
Gyro/Motion reference: Kongsberg MRU 5+ (SeaPath 330+)
ADCP Current Profiler: RDI, Ocean Surveyor 150/600 kHz
Ferrybox: Jena engineering -4H-, Salinity, Temperature, oxygen, fluorescence (phycocyanine and chlorophyll-a)
CTD: Sea-Bird, SBE911 and SBE 32, 24 bottles incl. turbidity, fluorescence, oxygen and PAR
Radiation: Kipp & Zonen, PAR, Pyranometer

Additional facilities

Ifremer shipboard software on touchscreens in all laboratories

Accommodation and laboratory facilities

Cabins: 5 single (for crew); 5 double; 2 triple
Total accommodation: 21 persons (incl. crew)
Vessel facilities: Bathroom, desk, storage, air con
Main laboratory: Dayroom, mess, internet, TV
Sea water laboratory: 9m²
Dry laboratory: 13m²
Atmospheric laboratory: 11m²
Hanger: 38m², CTD deployment, sampling
CTD control room: 9m², workplaces, CTD LARS

Machinery/Propulsion/Electricity/DP

Propulsion: Diesel Electric. Main engine: Nidec 1120 kW
Generator sets: 4 x Volvo Penta D16, 420 kW
Bow/Stem Thrusters: Brunwoll 250 kW
Dynamic Positioning: DP1

Capacities

Speed: Service speed 11.5 knots, max. speed approx. 14 knots
Time at sea: Up to 3 weeks
Crew: 5-7 depending on operations
Fuel: 93.8m³ HVO or Diesel
Freshwater: 46 m³ + on-board production
Sewage sludge: 3.0 m³
Sewage holding tank: 7.5 m³

Navigation and communication equipment

Sperry bridge; 2 x ECDIS, Vision master; X-band radar; Vision master; S-band radar; Vision master; 2 x DGNSS/DPGS, SAAB; LRIT, Inmarsat C, AIS, SAAB, VDR, BAMS, BNWAS, CCTV; Sound Reception System; Speed log; 2 x Gyro compass; Echo sounder; 2 x Anemometer; GMDSS A3 regulation compliance; VSAT; Inmarsat Fleet Broadband; Iridium; 5G; Wifi