

RV Skagerak



UNIVERSITY OF
GOTHENBURG



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

Technical Specifications

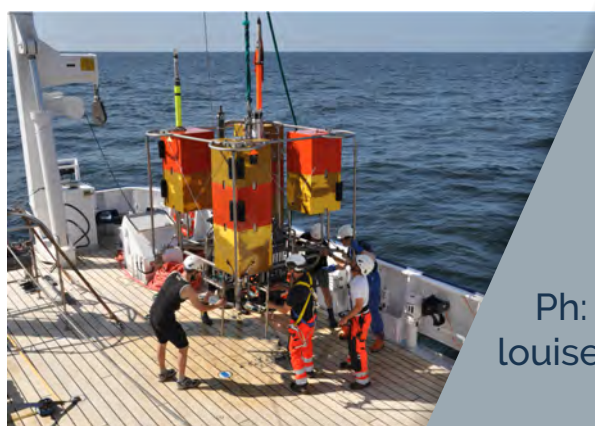
General

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:

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Multifunctional work deck

Deck space:	132.64 m ² , executed with container fittings in different configurations
Hanger:	38.3 m ²
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

Ufremer 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)
Cabins:	Bathroom, desk, storage, air con
Vessel facilities:	Dayroom, mess, internet, TV
Main laboratory:	29m ²
Sea water laboratory:	9m ²
Dry laboratory:	13m ²
Atmospheric laboratory:	11m ²
Hanger:	38m ² , CTD deployment, sampling
CTD control room:	9m ² , 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:	Brunvoll 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:	93.8m ³ HVO or Diesel
Freshwater:	46 m ³ + on-board production
Sewage sludge:	3.0 m ³
Sewage holding tank:	7.5 m ³

Navigation and communication equipment

Sperry bridge; 2 x ECDIS, Vision master; X-band radar, Vision master; S-band radar, Vision master; 2 x DGNSS/DGPS, 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

