

Briese Schifffahrts GmbH & Co. KG

Abteilung Forschungsschifffahrt

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RV PROF. ALBRECHT PENCK

Ship's Basic

Owner	State of Mecklenburg Vorpommern, Germany
Operator	Baltic Sea Research Institute Warnemünde, Germany
Flag	Federal Republic of Germany
Built	Built 1951 at VEB Shipyard in Rosslau and equipped in the Peene Shipyard in Wolgast, an extensive improvement of the scientific equipment took place in 1993
Type	Multipurpose Research Vessel
Classification	GL 100 A3 ME

Dimensions and main data

Tonnage	307 GT / 92 NT
Length o.a.	38,58 m
Beam	7,28 m
Draught	3,50 m
Freeboard	0,70 m
Speed	abt. 8 kn service speed (maximum 9 kn)
Consumption	1,5 t gas oil/day at service speed
Fuel Capacity	40 cbm gas oil
Freshwater Capacity	36 cbm

Engines and Network

Main Engine	type 8 NVD 36, 220 kW
Propulsion	propeller
Generators	2 diesel generators (67 kW each)
Voltage	380/220V, 50 Hz partly stabilized

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Lifting Gear

Hydraulic cantilever 3 t/ 7 m (3m outboard) with a winch
500m / Ø 13mm

Winches

CTD-winch: 1500m coaxial tross cable 8,2mm, hydraulic double drum
winch: 2t, 600m coaxial tross cable Ø 8,2mm/1000m steel rope 6mm

Accommodation

10 crewmembers and 9 scientists (11 on short tracks),
1 and 2-bed cabins

Nautical Equipment

2 radars, gyrocompass, auto-pilote, 3 echo sounders, doppler log,
2 DGPS-Systems, track plotter, electronic chart system

Scientific Equipment

DWD-weather-station, Data collection and distribution system
DATADIS incl. Surface water thermosalinograph, ADCP,
1 echo sounder for sediment, LAN

Communication

GSM- Telephone and Fax, INMARSAT mini-M Telephone and Fax,
IRIDIUM, digital data transmission, walky talkies,
wireless station with GMDSS, Telex

Laboratories

Chemical laboratory 13 sq.m, bio laboratory 6 sq.m, computer labo-
ratory 6 sq.m, hydro laboratory 9 sq.m, evaluation room 4 sq.m, all
laboratories have DATADIS-connection, some laboratories with fresh
water, some with sea water

