



SHIP'S BASIC

Owner	State of Mecklenburg Western Pomerania
Operator	Leibniz Institute for Baltic Sea Research (IOW), Warnemuende/Germany
Managing Company	Briese Schiffahrts GmbH & Co. KG RESEARCH
Flag	Federal Republic of Germany
Build	Kröger Werft, Rendsburg 1987, rebuild 2011 Pee- ne- Werft Wolgast
Classification	✠ 100 A5 E Research ves- sel RSA(200)
Type	Multipurpose Research Vessel

MAIN ENGINE / PROPULSION

Main Engine	3 diesel generators, Type SCANIA DI16-55M, 532 kW each
Propulsion	diesel-electric; asyn- chron-rotary current, double twisted, Typ: SDV 150.76-10, single propeller
Manoeuvring propulsion devices:	transverse thrusters (147 kW each), at bow and stern

DIMENSIONS AND MAIN DATA

BRZ	899
Length o.a.	56,50 m
Beam	10,80 m
Draught	3,80 m
Freeboard	1,70 m
Service Speed	11 kn
Cruising range	4000 nm

History

1987 built as research vessel for the German Navy by Kroeger Shipyard Rendsburg/Germany, 2010 purchased by the State of Mecklenburg Western Pomerania, 2011 converted to a multipurpose research vessel at Peene Shipyard in Wolgast/Germany

Navigation Equipment

2 radars, gyrocompass, ECDIS and auto-pilot, echo sounders, DOLOG, 3 GPS-Systems

Scientific Equipment

DWD-weather-station, Data system D-SHIP® by WERUM, Surface water thermosalinograph, Clean seawater system, ADCP VM Ocean Surveyor OSII 150 kHz, SES2000 medium, sediment echo sounder by INNOMAR, 100kHz R2Sonic 2024, Broadband multibeam echosounder 200-400 kHz Motion Reference Unit (MRU) IXSEA Phins Hydrographic well CTD-system with vessel swell moving compensation Utility, fast rescue boat and working zodiac

Communication

GSM- Tel. & Fax, IRIDIUM, V-SAT- (digital data-transmission), Wireless station with GMDSS for area A3

Lifting gear

Hydraulic crane SWL 4,5 t/ up to 12,5 m with own winch 900 m, Hydraulic crane 1,5 t/ up to 6 m with own winch 300 m, A- frame 4 t, Provisions Crane on fo-recastle 0,7 t

Special winches

CTD-winch up to 1000 m with cable Ø12,7 mm, Double drum hydraulic winch (mobile) 3 t with 300 m steel rope 18 mm, mooring electric winch, scitific electric mobil winch coax cross cable Ø13mm 1000m

Container

2 places for 20 ft. à 15 t incl. infrastructure also possible 4x 10 ft. container

Laboratories

all labs with LAN, PC, miscellaneous media; universal lab 16 m²; cold storage lab (adjustable 4- 23 °C) 11 m²; wet lab 17 m²; CTD room (with gate to outboard) 11 m²; measuring room 8 m²; hydro acoustics control 14 m²; surface registration room 9 m²

Personnal

Crew: 11, Scientists: 12

Accommodation

11 x one bed cabins, air conditioned 7 x two bed cabins, air conditioned

