



SHIP'S BASIC

Owner	State of Mecklenburg Western Pomerania / Leibniz Institute for Baltic Sea Research Warnemuende / Germany
Operator	German Research Fleet Coordination Centre Hamburg / Germany
Managing Company	Briese Schiffahrts GmbH & Co. KG RESEARCH / Germany
Flag	Federal Republic of Germany
In service	since February 2006
Type	Multipurpose Research Vessel
Classification	GL 100 A5 E3 Research Vessel Equipped for carriage of containers DP(1) NAV-OC MC E3 AUT RP(3)

PROPULSION / MAIN ENGINE

Main Engines	2x MAN 8L21/31; 2x MAN 6L21/31
Output Main Engines	2 x 1600 KW, 2 x 1200 KW; total 5600 KW
Propulsion type	diesel electric Schottel POD SEP-2
Output propulsion	2x 2050KW; total 4100 KW
Thruster	Pumpjet Schottel SPJ-320 1900 KW

DIMENSIONS AND MAIN DATA

Length o.a.	94.80 m
Beam	19.20 m
Draught	max. 7.00 m
Freeboard	3.00 m
Speed	cruise speed 12.5 kn / max. speed 15 kn
Scientific Storage	150 t

RV MARIA S. MERIAN



BRIESE RESEARCH
FORSCHUNGSSCHIFFFAHRT

Network

Ship's network 690/400/230 V, 50 Hz via transformer
Stabilized network 220 V, 50 Hz via uninterrupted power supply (UPS)

Lifting Gear

A-frame/stern 300 kN; 3 cranes 50 kN each; 1 aux crane 12,28 kN; 1 aux. crane 19,98 kN; 1 jib-boom 200 kN, 1 jib-boom 70 kN

Winches

6 mooring winches; 2 friction winches 150 kN each; 2 storage-winches (7000 m, 18 mm cable or fiber-optic-cable); 2 single core winches (6000 m, 30 kN, 11 mm cable); 1 serial winch (20 kN, 6 mm wire, 3000 m); multi-purpose winch (50 kN, 11 mm wire, 6000m)

Accommodation

Accommodation: max. 24 crewmembers and 22 scientists (with ship's doctor) or 23 crewmembers and 23 scientists

Navigational System

2 faseroptic gyros; integrated navigation (2 radars, ECDIS, track pilot, Argos DF, DGPS, Doppler-log, EM-log, Sat-log, 1 Ice Radar); Dynamic Positioning Class 1

Acoustic Equipment

EM 122 deep sea multi beam, EM 712 shallow water multi-beam, EA 600 single beam, Sub-Bottom-Profiler, ADCP, Process-Control, video-surveillance (deck / winches), data acquisition & distribution, meteorological system, Sonardyne USBL System

Communication

GMDSS A1, A2, A3, A4; Inmarsat, FBB 500, Iridium Pilot, Iridium Open Port, Intercom, RDF, GSM, VHF, MF, HF, V-Sat internet access

Laboratories and scientific rooms

Deck lab, Hangar, Dry-lab, Chem-lab, echosounder-control room, computer-room/ data-control, salinometer-room, gravimetric-room, pulser-station, cool-lab, 1 moonpool

Other facilities

Conference room, ship's office, fitness opportunity (sauna and exercise room)

Container Capacity

Deck: 18 x 20' or 37 x 10'
Hangar: 2 x 20'
Hold: 5 x 20'

