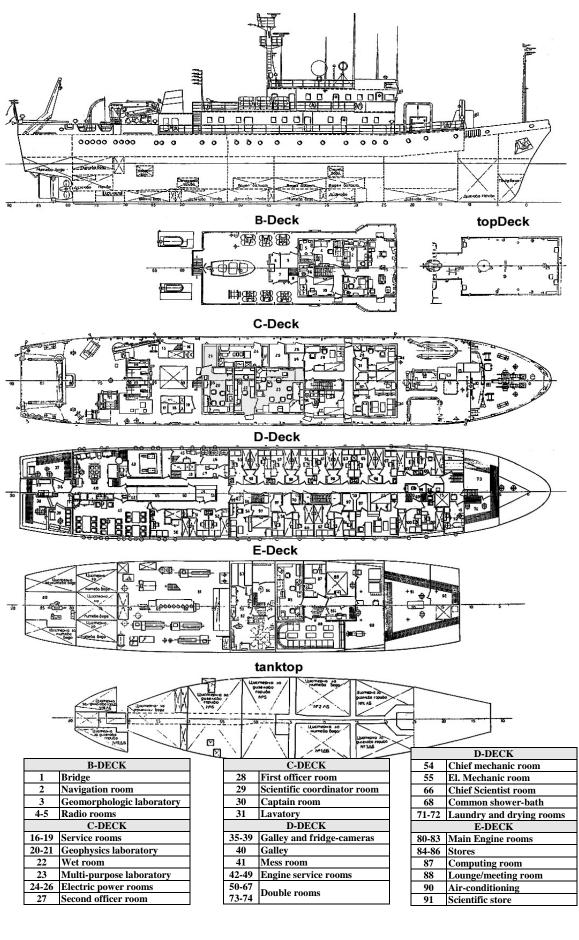
RV AKADEMIK



RV AKADEMIK TECHNICAL SPECIFICATIONS







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REGISTRATION & CLASSIFICATION

Port of registration: Classification: Official nr: 1435301 IMO nr: 8138463

Varna (Reg. No5100388 Port registry vol. IV, p.337) KM 13 - SRS under Bulgarian Register

SHIP / SHORE COMMUNICATION

Call Sign:	LZDA
Satcom. Phone nbr:	00.761.673.075
Satcom. Fax nbr:	00.761.673.076
GSM nr:	00.359.897.868.541
Radio transceivers Sailor MF/HF/VHF	

PARTICULARS

OWNERS

Address:

Operator: Address:

Fax:

Phone:

E-mail:

Fax:

TANK CAPACITIES

Fuel oil: Fresh water: Ballast water: Lubricating oil: Hydraulic oil: Used oil:

ACCOMODATION

Total cabins:

Crew: Scientists: Messroom: Meetingroom: Laundry+drying room: Changing room: Aircondition:

SAFETY EQUIPMENT

Man overboard boat: Life rafts: Fire-alarm system

MAIN DIESELENGINES

SKL8 MVD 48AV:

9.8 mtr. 6,80 mtr. 4,80 mtr. 905 tonnes 272 tonnes 1125 tonnes 309,6 tonnes 10.5 knots about 4 t MDO per day at service speed

150 t MDO

55,50 mtr.

100 m³ f.w. generating capacity; RO-plant 5t/d 100 m^3 4 mt 1 mt 1 mt

7 single berth (5 of which with toilet/shower) 18 double berth (10 of which with toilet/shower) two common lavatories and two shower rooms 20 persons 22 persons 25.5 m^2 18 m^2 $7 m^2 + 4 m^2$ 16 m^2 + toilet and shower suitable for tropics

1 x 4 persons 12 dinghies for 126 persons total + 37 survival suits yes

736 kW

PROPELLOR

Number: Revolutions:

ELECTRIC SUPPLIES

Boardnet alternators: Power: Boardnet supply: Laboratory supply: Laboratory supply: Shoreconnection:

HARBOUR -/- EMERGENCY SET Power:

Voltage:

NAVIGATION SYSTEMS

Auto pilot (adaptive): Arpa radars:

Speedlog: Echosounder: Echosounder: Decca; Loran – C; Omega navigator: DGPS:

NAUTICAL INSTRUMENTS

NAVTEX Receiver: Weather Fax Receiver: Direction finder VHF:

LABORATORIES -- DECKSPACE -- WORKSHOPS

Control room:	4.5 m^2 on E-deck
General wet lab:	9.5 m ² on C-deck
Wet multi-use lab:	22.5 m ² on C-deck aftship
Dry measuring lab:	$14 \text{ m}^2 + 3.2 \text{ m}^2$ on C-deck
Computing room:	8 m ² on E-deck
Containers available:	1 x 10 feet in hold between funnels on C-deck aftship
	$1 + 1 \ge 20$ feet (spare) - on B- and C-deck
Workspace C-deck:	89 m ² without containers

UNIVERSAL CABLING SYSTEM for semi-permanent equipment

Copperbar/litz for:	Earthsystem with 1 massa conn.
Multi twisted-screened copperpairs for:	Low freq.sign. DC 100 kHz or
	low speed data till 100 KBaud
Coaxial cables, 50 and 75 Ohm for:	High freq.signals, 100 kHz - 100MHz
	and data transfer up to 256 kbit/second
Special cable for:	High powered pulsesignals

This cable system interconnects relevant places such as masts-bridge-computer room-measuring roomlaboratories-various cabins-deck workshops-winch-stands and afterdeck onto which semi-permanent equipment can be connected in order to transmit / receive data / signals to and from the above mentioned places. Permanently fixed equipment is already hooked up to the system and this data can be received in the before mentioned places, if desired.

DATA COMMUNICATION SYSTEM

Network infrastructure:	Ethernet IEEE-802.3
Protocols:	TCP / IP + NFS + SMB
PC network software:	PC - NFS - Native MS-Windows networking
Peripherals:	HP - laserjet 5M-PS (PCL) printer
	HP – 920c colour-deskjet printer
E-mail:	Operational; messages are received/sent
	once a day (On request more than once a day)

Guest scientists who carry their own PC aboard ship wishing to connect it to the ship's network have to provide for their own matching hard- and software.

1 - with variable pitch

370 - O - 370 rpm

4 x diesel driven 2 x 150 kVA and 2 x 100 kVA and 3 x 380 Volt - 50 Hz 1 x 380 Volt + zero - 50 Hz 1 x 220 Volt-single phase - 50 Hz 3 x 380 Volt. - 125 Amp.

220 kVA 1 x 380 V - 50 Hz

AIST

RACAL-DECCA-970 B5 DECCA-1090/6 SIMRAD - NL Doppler speed log SIMRAD-ED 161 SIMRAD EA-200 (triple frequency - 200/27/12 KHz) RACAL-DECCA MNS-2000 RAYTHEON RC320

MARCONI MARINE 1xDS 100 FX 7181-Koden

(Optional)

SCIENTIFIC EQUIPMENT (permanently installed)

Scientific echosounder: Meteo system: Chest freezer for samples Chemical dryers SIMRAD EK 200 MARCONI MARINE 1xDS 100 2001 2

SIDE - A - FRAME:

Swl: Height above deck: Framewidth: Control: on C-deck front pb 3 tonnes 3.1 mtr 2.3 mtr bridge + on site (portable)

SIDE-WINCHE on A-frame (hydraulic driven)

Type: Max pull: Cable size/ ength: Slipring - Rekofa: Control: RCW 15H (1 conductor) 2.5 tonnes 6,4 mm / 7000 mtr SM16-500 4 poles bridge + on site (portable)

SIDE - L - FRAME:

Swl: Height above deck: Framewidth: Control: on C-deck back pb 2tonnes 2.7 mtr 2.1 mtr bridge + on site (portable)

HYDROGRAPHIC WINCH on L-frame:

Type: Max pull: Wire: Cable size / length: Control: RCW 15H (1 conductor) 1.5 tonnes stainless steel 6,4 mm / 5000 mtr bridge + on site (portable)

STERN-A-FRAME:

Swl: Height above deck: Framewidth: Control: on C - deck aft. 7 tonnes 4.3 mtr. working height 3.7 mtr bridge and cabin onside

STERN-WINCHE (hydraulic driven)

Type: Max pull: Wire/ cable size: Wire length: Slipring - Rekofa: Control:

CRANES (hydraulic driven) CONTAINER-CRANE:

Type: Lifting capacity - swl: Reach min--max: Slewing angle: Control:

FOOD CRANE:

Lifting capacity - swl: Reach min - max: Slewing angle: Control: RSW 50H double drum cable/wire 5 tonnes 6/8/10/12 mm on both drums 5000/ 4500 mtr SM16-500 12poles bridge and cabin onside + measuring room

on stern C-deck sb HIAB 360 telescopic 8 - 2,7 tonnes 2,1 - 11,8 mtr 360 degr. Continuous on site cabin

On fore C-deck sb 1.7 - 0,7 tonnes 1,45 -5.4 mtr 320 degr. on site (portable)

FOR MORE INFO, CONTACT:

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