JAVA OFFSHORE

Advancing Innovative Solutions

RV JAVA INSIGNIA

RV Java Insignia is a dedicated multi-purpose survey vessel operating within the Asian Region

Suited for various offshore operations

- Seismic Source Support Vessel
- 2D / Hi Resolution Survey
- Geotechnical Survey
- Multi role Survey Operations
- Seismic Supply and support
- Standby / Guard Ship
- Accommodation

The 62M Seismic source and multi role survey ship has been operating in the European Region for many years prior to moving to Asia under the ownership of Java Offshore.

She has been recently undergone a complete refurbishment and conversion in 2007 whilst in 2010 a further upgrade has been done on her Engines and Electrical System.

Java Insignia was designed for seismic operations which makes her a suitable platform to conduct multi survey operations from a support perspective for 2D/3D campaigns to undertaking single pass Analogue and 2D Hi Resolution Data Acquisition Campaign.

To support the above operations, the vessel has a dedicated and spacious survey room complete with a separated equipment room to allow for a comfortable working environment offshore.

The survey equipment onboard includes a full suite analogue and digital spread, gravity coring spread and a mid range Autonomous Underwater Vehicle.

Technical Specifications

GENERAL INFO

Ships Name	JAVA INSIGNIA	Date Converted / Upgraded	Mar-2007
Flag State & Port of Registry	Indonesia	Class Society	DNV, 1A1 Research Vessel
Date of Build	Aug-82	Class Machinery System	TMS Planned Maintenance System
Yard No. and Type of	Vessel Research / Seismic support vessel		
Yard Built	Singapore		

PRINCIPAL PARTICULARS

Gross Tonnage - International	1612
Net Tonnage - International	484
Lightship Displacement	1090
Dead Weight	990
Length Over All (LOA)	62.70
Length Between Perpendiculars	60.47
Breadth (Moulded)	12.00 m
Depth (Moulded)	4.88 m
Draft (Max)	4.00 m

CAPACITIES AND ENDURANCES

Fresh Water Capacity	218 m3
Fresh Water Maker Production	10 m3
Fuel Capacity, All Tanks Topped	634.80 m^3 (98%)
Cylinder Oil, HP Compressors (m^3)	6.4 m3
Ballast, Sea Water (m^3)	16.24 m3
Speed, Transit, Max, in calm sea	10.5 kts
Speed, Transit, Economy,	8.5 kts
Operational Endurance	79 days (8 m3/da y)

ACCOMODATION

Crew Accommodation	46 Persons
Single Berths	6
Double Berths	20

SHARED AREAS

Conference and Training Room	1
Survey Room with Network	1
Processing server room (A/C)	1
Fitness Room / Gym	1

Navigational and Communications

BRIDGE NAVIGATION EQUIPMENT

Radar No 1	Furuno FAR-2837S ARPA (S-Band)
Radar No 2	Furuno FAR-2817 ARPA (X-Band)
VDR / S-VDR	VDR Model, VR-3000S
Electronic Chart System	Vms, Open CPN-Ver.4.0.0
Gyro Compass	DigitalGyro STD22 Anschutz
Auto Pilot	Robertson AP9 MK3/STS 500
GPS Receiver	Furuno GP 31 & Furuno GP 90
Speed Log	Yokogawa EML500
Echo Sounder	Furuno FCV-582
Navtex Receiver	Locata Navtex 2

SATELITE COMMUNICATION

Inmarsat Type C1	SAILOR TT-3606E
Inmarsat Type C2	SAILOR TT-3606E
Inmarsat Type C3	
Inmarsat Fleet 77	Sailor TT-3622B
Fleet 77 ISN number	870 765 046 765
V-Sat	Yes
Max. Bandwidth on V-Sat	2Meg

COMMUNICATION EQUIPMENT, GMDSS COMPLIANT

Class / Corr. Category	A1, A2, A3 GMDSS	Radio, VHF, GMDSS, Portable	3 x Samyung STV160
Ship / Air Craft Radio, fixed	Yes	Radio, VHF Portable	3 x Icom IC M36
Automatic Identification System (AIS)	Saab R-4		3 x Entel HT649
Transmitter / Receiver, Main (MF)	SAILOR CU 5100	340Emergency Radio Beacon (EPIRB)	Tron 40S
Transmitter / Receiver, Main (VHF/ DSC)	SAILOR RT 5022 DSC		(Cospas - Sarsat)
Radio, VHF, GMDSS, Type 1	2 x SAILOR RT 5022 + DSC controllers	Radar Transponder	2 + 1 (in FRB) x Tron SART (Jotron)
Radio, VHF, GMDSS, Type 2	1 x Sailor-RT2048	Long Range Identification Tracking	(LRIT) Sailor TT-3000
Company Radio	1 x Motorola GM300	Ship Security Alert System (SSAS)	Sailor TT-6120
Radio, VHF, GMDSS, Type 3	1 x Skanti Type 3000	Voyage Data Recorder (VDR/S-VDR)	VDR Model, VR-3000S

Machinery and Equipment

MAIN ENGINESS, THRUST AND GENERATORS

Main Engine or Electric Prop. Motors	2 x Caterpillar D 399 TA, 1090 BHP
Auxiliary Engines (Generator Drive)	2 x Detroit 12V 71 + 1 x Caterpillar C18
Vessels Total Brake hp / kW for Prop.	2 x 1090 HP at 1225 RPM c/w 3.6:1 reduction
Propeller Type, Main Propulsion	2 x KaMeWa 50XF/4, CPP
Propellers and Thruster Control	Scana Mar-El, variable pitch control
Propeller Blade, Spare	8
Generators / Alternators	2 x LMA 580, 260 kW, 440V + 1 X Leroy Somers 440 volt 425 KW
Emergency & Harbour Gen. Engine	Diesel driven battery charger: Volt 24 DC, 50 A
Emergency & Harbour Generator	Yes
Fuel Back-Up System for Aux. Engines	P/Stb day tank
Cooling System for Aux. Engines	Keel cooling
Bow Thruster	ULSTEIN, 90 VT, 340 hp
Fresh Water Generator (FWG)	Aquamar Electric AQE-15D 10m³/day
Boiler, Exhaust Gas	Oil Fired
Steering Gear	Sperry Electro Hydraulic Marine System

Deck, Safety, and Hull Fitting

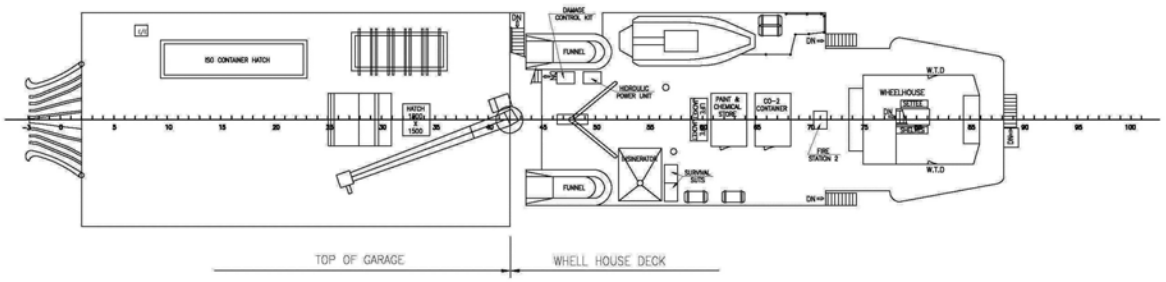
SAFETY EQUIPMENT CREW

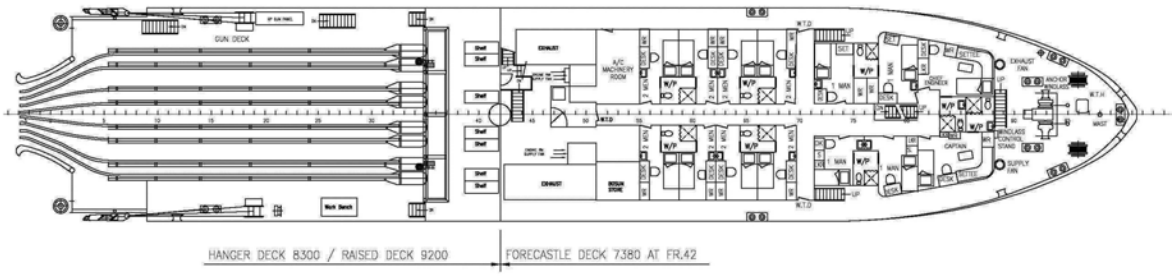
Lifeboat Type / Capacity/ No. of Boats	None
Engine, Lifeboat	NA
Life Raft Type /Capacity	DSB LR-07 (@ 25 Persons)
Number of Life Rafts	4
Life Jackets No.	74
Thermo Insulated	2

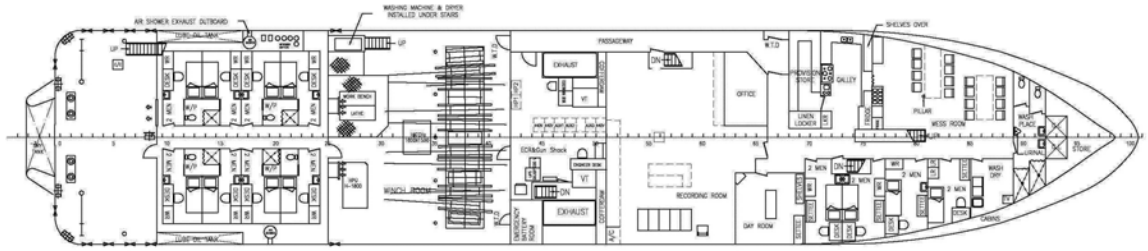
FRC BOAT

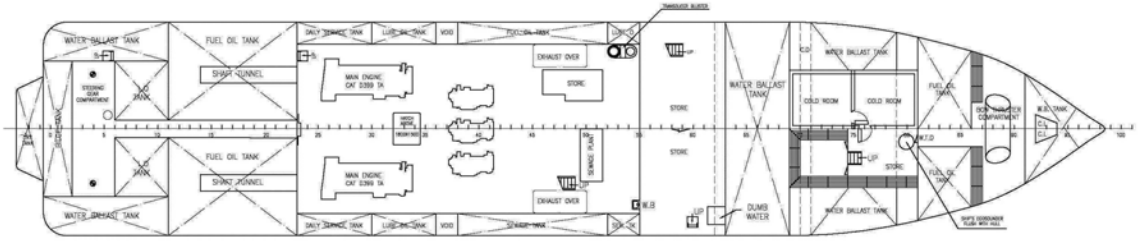
Man Overboard Boat (RCB) Type	AVON SR
Engine and Speed of Boat (RCB)	Yamaha 60 Speed: + 20 Knots
Waterjet and Gear Drive (RCB)	Jet
RCB Davit	Hydraulic A-frame

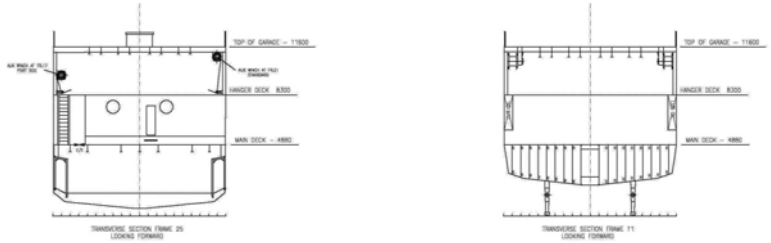
Java Insignia General Arrangement

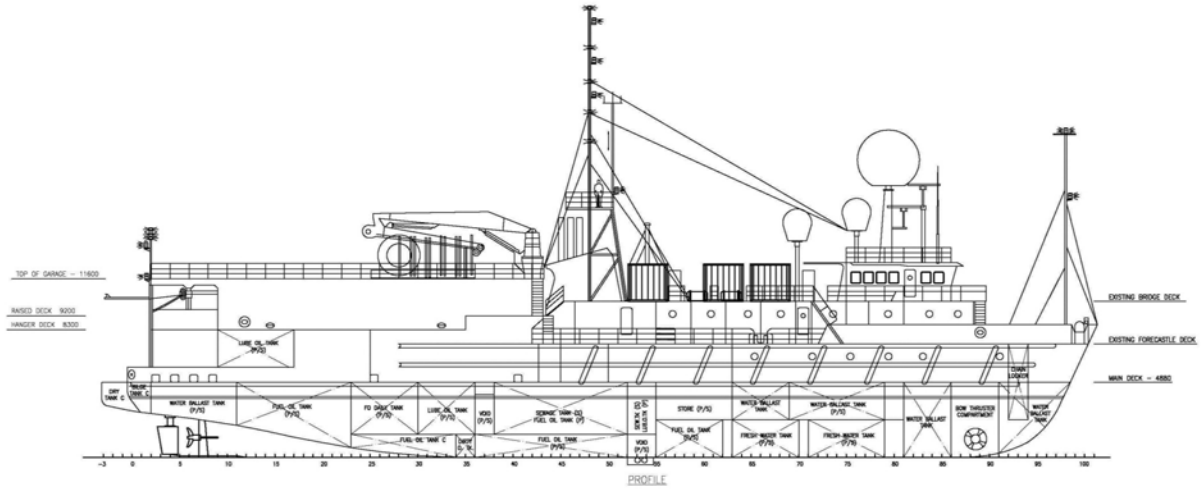


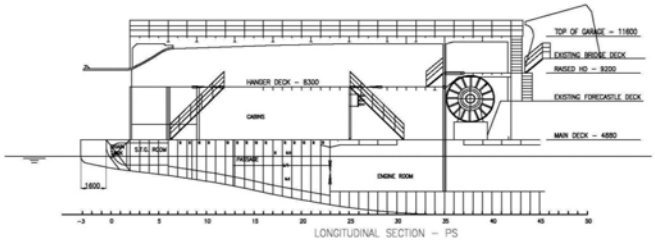


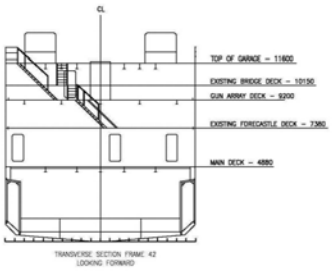


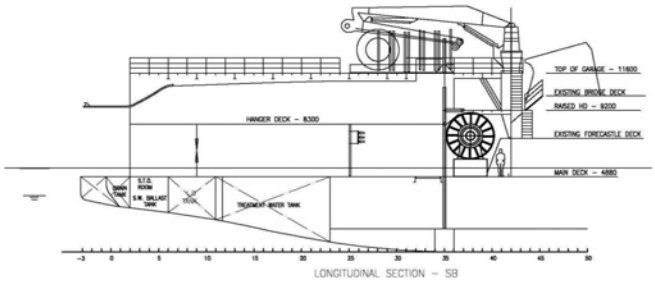


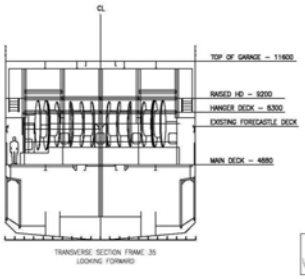


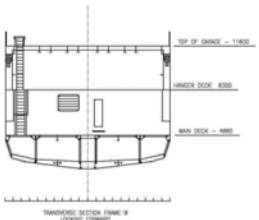


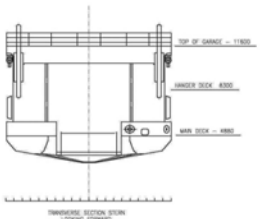












JAVA INSIGNIA

PRINCIPAL PARTICULARS

LENGTH OVER ALL : 62.70 (205.72')
LENGTH W/L : 60.47 (198.40')
BEAM MOULDED : 12 (39.37')
DEPTH MOULDED : 4.88 (16.00')
DRAFT DESIGNED : 3.80 (12.47')

Carl Bro Marine
Carl Bro As

GENERAL ARRANGEMENT

**The Information provided in this specification may be subject to change without prior notice*

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