

SURYA BAYU

FAST CREW BOAT



A15-5 Menara UOA Bangsar
No 5 Jalan Bangsar Utama 1
59000 Kuala Lumpur, Malaysia.
Tel: +603-27103970
E-mail: admin@suryanautika.com.my



PRINCIPAL PARTICULARS

Port Of Registry : Port Kelang
 Call Sign : 9MGP2
 IMO No. : 9365025
 Official No. : 330490
 Year Built : 2004
 Class : Bureau Veritas (BV)
 Notation : 1✕ Hull ✕ Mach ; High Speed Craft Crew Boat – Unrestricted Navigation
 Type : Fast Crew Boat
 Flag : Malaysia
 Owner : Surya Nautika Sdn Bhd
 Operator : Surya Nautika Sdn Bhd

DIMENSION

Length Overall : 36.00 m
 Length Registered : 33.62m
 Breadth Moulded : 7.60 m
 Depth Moulded : 3.58 m
 Draft Moulded : 1.78 m
 Summer freeboard : 1.507m
 GRT : 238 mt
 NRT : 71 mt
 Deadweight : 44 mt

PERFORMANCE

Speed : 20.0 knots
 Type of fuel : Marine Gas Oil

CARGO CAPACITIES

Deck Cargo : +/-40 mt
 Deck Strength : 2.5 Tonne/m2
 Clear Deck Area : 75.32 m2 (13.45m x 5.6m)
 Fuel Oil : 71.0 m3
 Fresh Water : 28.0 m3
 Sludge Tank : 800 ltrs
 Dispersant tank : 400 ltrs
 Cargo railing height : 1.5m

PROPULSION SYSTEM

Main Engine : 3 x 1350 BHP @ 1950 rpm Cummins KTA 38M2
 Main Generator : 2 x 85 kW Cummins CSMX CT8.3 DM
 Bow Thruster : 1 x 1 Ton Thrust
 Steering Gear : 1 x Kobelt 7175 MA (electrohydraulic)
 Propulsion : 3 x 4 Bladed FPP of Nickel Aluminum Bronze
 Rudders : 2 nos

DECK EQUIPMENT

Anchor Winch : Electrical, single drum and warping head
 1 ton nominal pull at 9m/min
 Anchors : High Holding Power type, 1 x 135kg (approx.)
 Chains : Steel wire rope (9 Shackle length and breaking strength asrequired by Class) c/w 12.5m x 14mm dia. stud link chain
 Bollards : 6 x 100mm dia. double-bit / 2 x 100mm dia. single bit
 Mooring Chocks : 4

FIRE FIGHTING EQUIPMENT

External

Fire monitor : 1 unit fitted on the port side midship aft on the main deck.
 Portable fire pump : Diesel Driven Engine

Internal

Fixed System in E/R : CO₂ System
 Fire Detection System : Fire Alarm Panel Notifier
 Emergency Fire Pump : Desmi 50m³/hr electric motor driven
 Fireman's outfit : 2 units complete with breathing device
 Fire blanket : 2 nos.
 FiFi pump : Engine driven 600m³/hr 9 bar, twin disc

NAVIGATIONAL /COMMUNICATION EQUIPMENTS

GMDSS : 1 set Icom ICM 700
 SSB : 1 set Furuno FS-1570 + Furuno FS-1503 (non GMDSS)
 SART : 2 x MC MURDO
 EPIRB : 1 set (MC MURDO E5 SMARTFIND 406 EPIRB)
 LRIT : 1 x Sailor T&T – 3000 LRIT
 VHF Radio : 2 unit (Sailor 6222 & ICM 304)
 Portable VHF Radio: 2 x handheld VHF MC MURDO R2 GMDSS c/w spare battery & charger
 Satellite Phone/fax : 1 unit SAILOR(Thrane&Thrane)
 Navtex Receiver : 1 x Furuno NX-700 518kHz
 X-Band Radar : 1 x Furuno FR1505-MAX 48NM
 Echo Sounder : 1 x Furuno FCV 667
 GPS : 2 x Furuno GP 3500 & Furuno GP-32
 Gyro compass : 1 x Roberson RGC-50
 Autopilot : 1 x SIMRAD AP35
 Speed Log : 1 unit
 Magnetic Compass : 1 x Cassen & Plath GmbH
 AIS : FURUNO FA-100

ACCOMMODATIONS

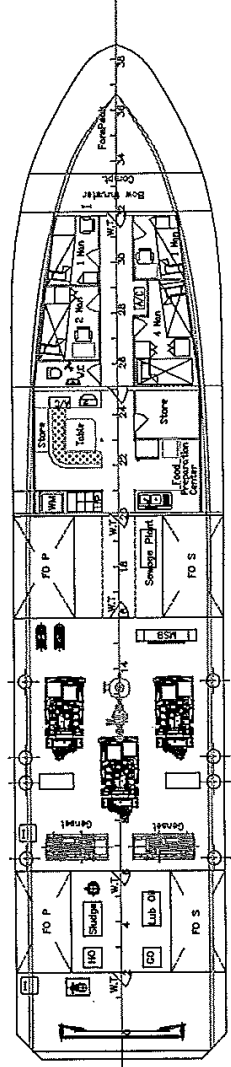
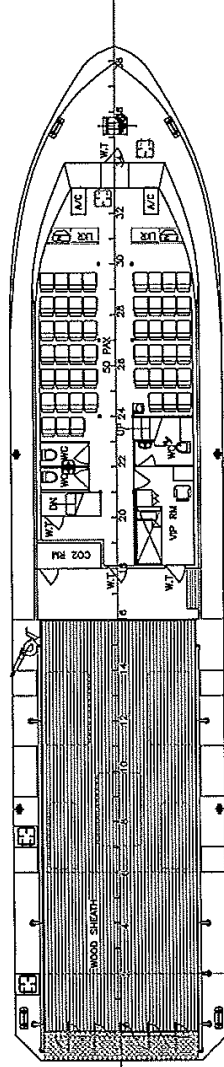
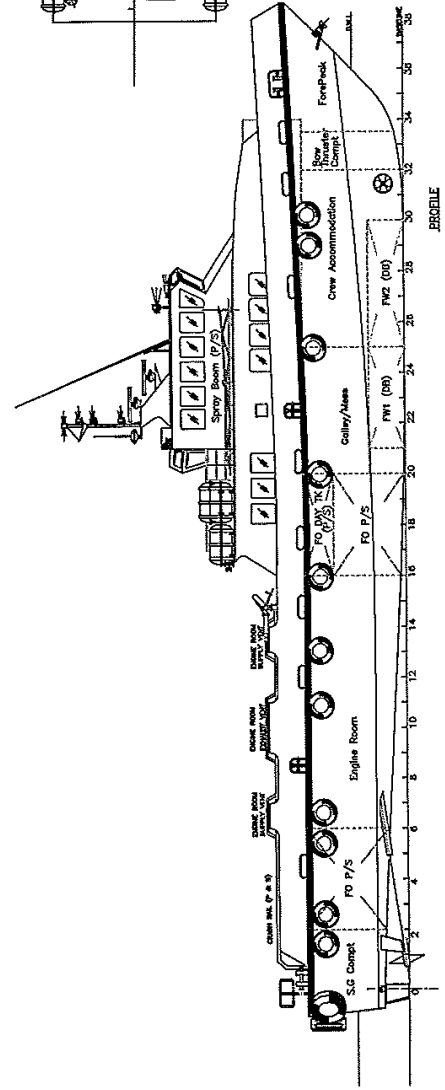
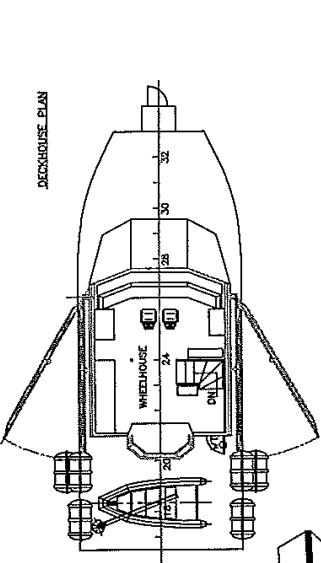
Berths : 10 berths for marine officer/crew
 Passenger Seating : 50 persons
 *All cabins are fully air-conditioned

LIFE SAVING APPLIANCE

Search Lights : 2 x 1000W (360°)
 Liferafts : 6 x 25 men SOLAS Type
 Lifebuoys : 8 pcs
 Life jackets : 64 pcs
 Work Vest : 10 units
 EEBD : 2 units
 Line Throwing : 4 projectiles and lines
 Apparatus :
 Scrambling net : 2 units (4m x 3m)
 Rescue boat : 1 inflatable rescue boat for 6 men with 25HP outboard motor and launching davit


AUXILLIARY SYSTEM

Rescue Zone : Port & Starboard at Main deck
 Oily Water Separator: 1 nos. of 0.5t/hr Georim



PRINCIPAL PARTICULARS

LENGTH O.A.	36.00 M
LENGTH B.P.	33.20 M
BREADTH MLD.	7.60 M
DEPTH MLD.	3.65 M
DESIGN DRAFT	1.85 M
COMPLEMENT	8 CREW
	50 OFFSHORE WORKERS

PROJECT:	SEA CREW BOAT (Bona Tron)
TITLE:	GENERAL ARRANGEMENT
 PENGUIN SHIPYARD INTERNATIONAL PTE LTD <small>11 Ties Street, Singapore 43010 Tel: 6543221 Fax: 6543216</small>	
DRAWN BY:	DATE: 28/09/2005
CHECKED:	DATE:
DRAWING No.:	PBL-Y135-G-01
REVISION:	01
SHEET:	1 OF 1