

HATA EMPAT – SUPER FAST CREW/UTILITY VESSEL (FUV) BRIEF VESSEL SPECIFICATIONS



HATA EMPAT



GENERAL

VESSEL NAME	HATA EMPAT
OWNER	Powertium Marine Sdn. Bhd.
FLAG	Malaysia
PORT OF REGISTRY	Port Kelang, Malaysia
IMO NUMBER	9485394 CALL SIGN: 9 MIG 2
BUILDER	DAMEN Shipyard, Tuas, Singapore
DATE OF DELIVERY	1 st Quarter 2009 (Under Construction)
HULL MATERIAL	Aluminium
SUPERSTRUCTURE	Aluminium
CLASSIFICATION	Bureau Veritas (BV) I-Hull - MACH (Unrestricted Service)

DIMENSIONS

LENGHT O.A.	33.57 m
BEAM O.A.	7.36 m
DEPTH AT SIDES	3.30 m
DRAUGHT AFT (APPX)	1.95 m

CAPACITIES

FUEL OIL	51.80 m ³
FRESH WATER DOMESTIC	20.00 m ³
WATER BALLAST	2.60 m ³
WASTE WATER	2.50 m ³
PASSENGERS	56 persons
CREW	7 persons
DECK SPACE	75.00 m ²
DECK CARGO	20.0 ton
MAXIMUM DEADWEIGHT	65.0 ton
DECK STRENGTH	2.5 t/m ²

PERFORMANCE

SPEED	24.0 knots (cruising) Max 27.0 knots
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FUEL CONSUMPTION	535 l/hr or max 631 l/hr (100%)
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PROPULSION SYSTEM

MAIN ENGINES	3 x Caterpillar x C32 B
TOTAL POWER	2460 bkW (3300bhp)@2100rpm
GEARBOXES	3 x Reintjes WVS430
PROPELLERS	3 x Fixed pitch propellers

ELECTRICAL EQUIPMENT

GENERATOR SET(S)	2 x Cat 64.5 kW; 240V/415V 60Hz
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DECK LAY-OUT

ANCHORS	Electrically operated - 96 kg According to classification regulation
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LIFE SAVING EQUIPMENT

LIFE BUOYS	8
LIFE JACKETS	86
LIFE RAFTS	6 x 20 persons
FIRE MAN'S OUTFIT	2 x incl. 2 x fire axes and 2 x SC Breathing Apparatus
INTERNAL FIRE-FIGHTING	Fixed gas flooding system in Engine Room (NOVEC) Portable extinguishers according to class
GAS DETECTION	Permanent gas detection and portable handheld gas detector (MSA)
BINOCULARS	1 x Bushnell Night-Vision Moonlight Series 26-3150
DAVIT/RESCUE CRAFT	Zodiac 6 pax rescue craft with 25hp out board motor

AUXILIARY SYSTEMS

MECH. VENTS	Axial flow fans
BOWTHRUSTER	1 x 75 kW, Promac BV, Hydraulic

ACCOMMODATION

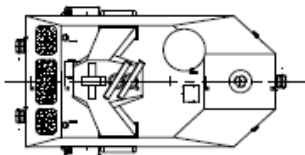
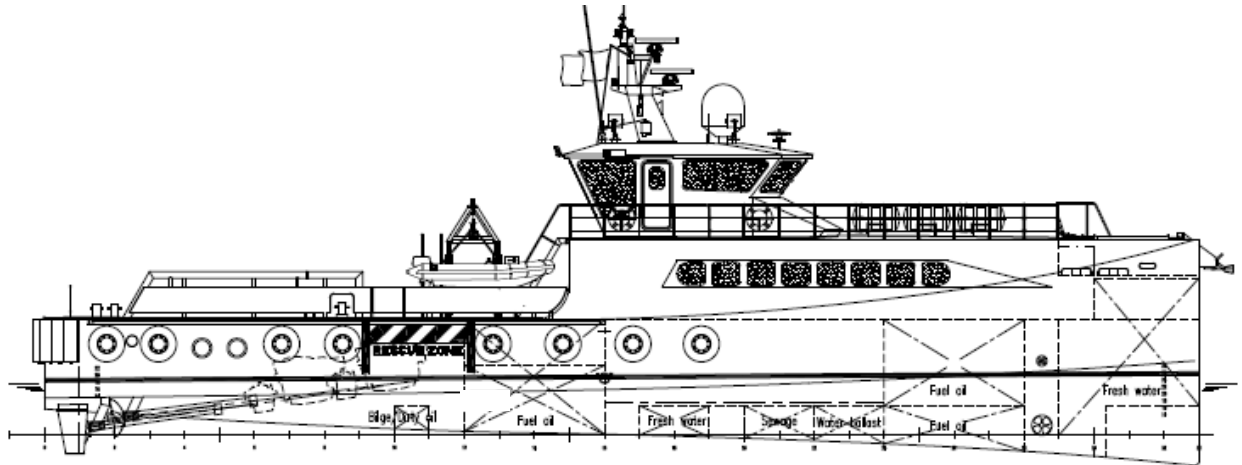
CREW CABINS	4 x 2 persons
AIR-CONDITIONING	Air Conditioning in Wheelhouse, Passenger Cabin and Accommodation
CCTV	5 Cameras with IP & Recording function

NAUTICAL AND COMMUNICATION EQUIPMENT

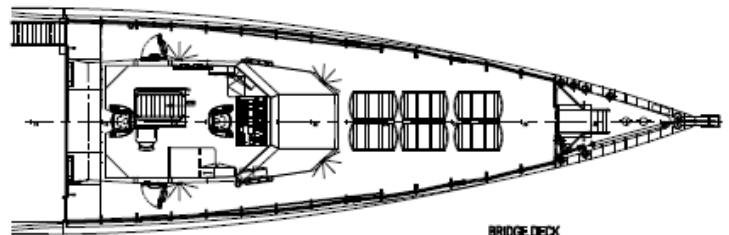
SEARCHLIGHT	2 x 1000 Watt
RADARS	2 x JRC 4"
MAGNETIC COMPASS	Ritchie, HB-741
ECHO SOUNDER	Alphatron Marine, Alphadepth
AUTOPILOT	Alphatron Marine, Alphapilot
GPS/PLOTTER	JRC, JNAV 500
VHF	2 x Sailor, RT5022
SSB	Sailor, HF SSB
AUTOMATIC IDENTIFICATION SYSTEM	JRC, JHS182
PA/LOUDHAILING SYSTEM	Alphacall
SSAS	Sailor TT-3000E
NAVTEX	JRC NCR-330
GMDSS -A3	Fitted with McMurdo/Inmarsat equipment according to the rules for a GMDSS A3-area
ELECTRONICNAVIGATION	Seiwa Explorer
VSAT (Internet Broadband)	Seatel 4006 (VOIP Services Optional)
INMARSAT PHONE	Aces R190 Isatphone



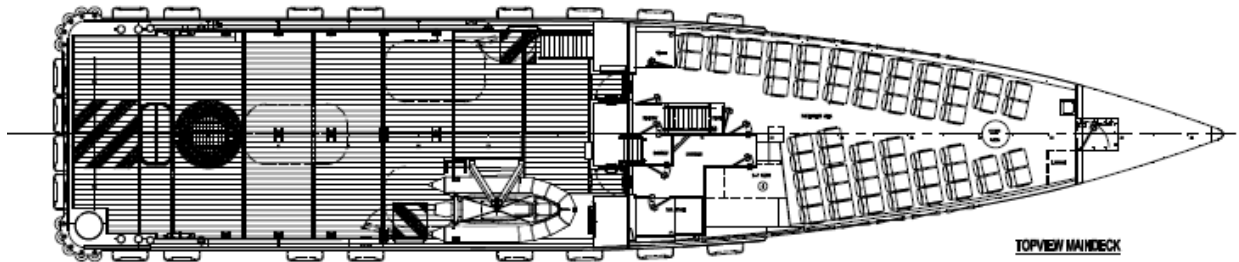
GENERAL ARRANGEMENT LAYOUT



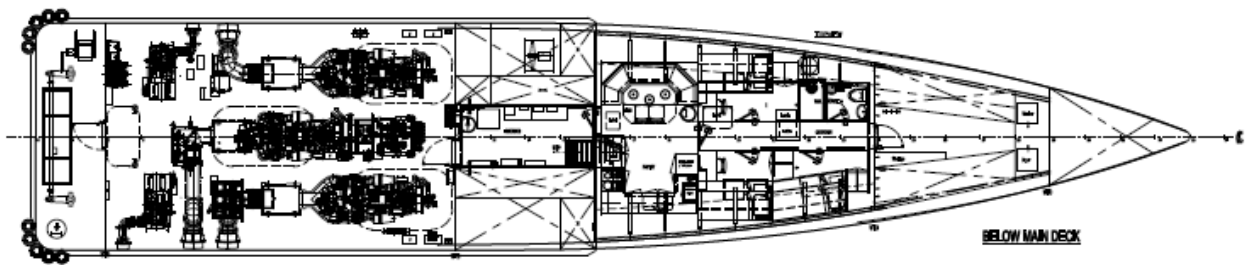
TOP OF WHEELHOUSE



BRIDGE DECK



TOPVIEW MAINDECK



BELOW MAIN DECK

Reference : 04830-00-001-K/Rev / 14/01/13

HATA EMPAT

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