



## EKSPRES 87

Fast Utility Craft/ Crewboat

### PRINCIPAL PARTICULARS

Year Built	2010
Place Built	Indonesia, Batam
Design	Flex 36, Penguin Shipyard Int'l
Flag	Malaysia
Length Overall	36.00 m
Length BP	33.20 m
Breadth Moulded	7.60 m
Depth Moulded	3.65 m
Draft (max)	1.78 m
Freeboard (SLL)	1.51 m
Class	BV
Notation	I, HULL, MACH, Crewboat, Unrestricted Nav, Max. Significant Wave Height 3.00 m
GRT/ NRT	236.00 T / 71.00 T
Deadweight	113.31 T

### DECK PARTICULARS

Clear Deck Area	80.00 m <sup>2</sup>
Deck Carrying Load	40.00 T
Deck Strength	2.00 T/m <sup>2</sup>

### PERFORMANCE

Maximum Speed	25 Knots @ 16 T/24hrs @ 31 DWT
Economic Speed	23 Knots @ 14 T/24hrs @ 31 DWT

### PROPULSION SYSTEM

Main Engines	3 x Cummins KTA38-M2, 1350 BHP @ 1900 RPM, Total 4050 BHP
Auxiliary Engines	2 x Cummins, 6BT.9-D(M), 80 kw @ 1500 RPM
Portable Generator	YDP30E, HP4.2 @ 3600 RPM
Emergency Generator	178FG, 3.0 kW @ 3600 RPM
Bow Thruster	75 kW Electro Hydraulic BT, 0.9 T Thrust
Propellers	3 x Fixed Pitch Propellers, 5-Blade
Steering Gear System	2 x Duplex Electro Hydraulic RAM
Rudder	2 x Balanced Rudder

### TANK CAPACITIES

Fuel Oil	60.60 m <sup>3</sup> @ 95% fill
Fresh Water	28.10 m <sup>3</sup> @ 95% fill

### CARGO DISCHARGE CAPACITIES

Fuel Oil Pump	Bombas Itur, SA-2RD
Fresh Water Pump	Nil
Bilge	Nil

### DECK EQUIPMENT

Anchor Windlass c/w Bow	Jiangsu Xiangseng Model HY - 14
Crane	Nil



### ACCOMMODATION

Passenger Seats	70
Crew	2 x 1, 1 x 2, 1 x 4 = 8

### EXTERNAL FIRE-FIGHTING EQUIPMENT

Fi-Fi Notation	Equivalent to 1/4 FiFi c/w Water Spray System
Fi-Fi Monitors	600 m <sup>3</sup> /hr, 100 m head
Fi-Fi Pump	600 m <sup>3</sup> /hr
Oil Dispersant System	Dongtai City, NT10P01110-10

### INTERNAL FIRE-FIGHTING & ANTI-POLLUTION EQUIPMENT

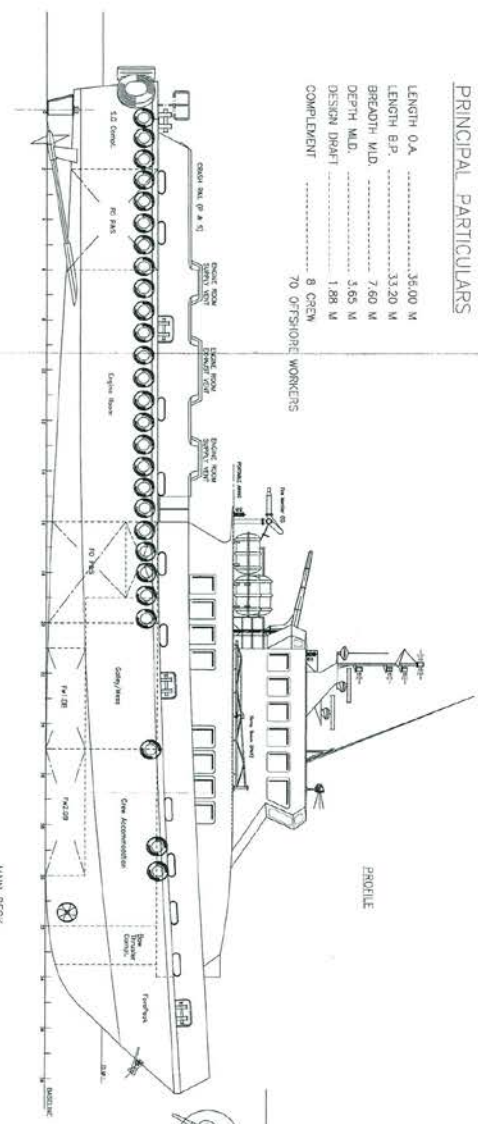
Emergency Fire Pump	Matsuka / Yanmar, 30 m <sup>3</sup> /hr @ 35m head
CO2 Fi-Fi System	Fixed CO2 System for Engine Room
Fire Detection & Alarm	Armstrong, M8000

### LIFE-SAVING EQUIPMENT

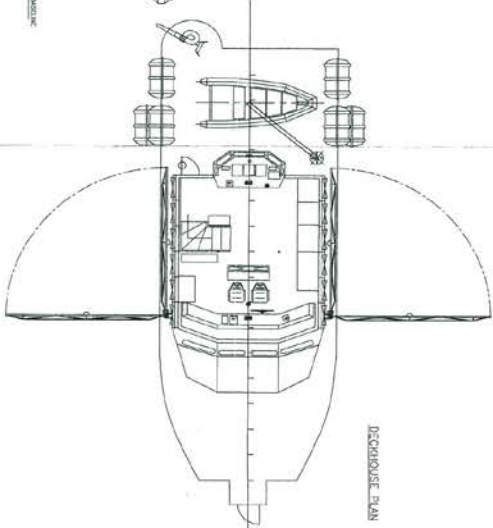
Life Rafts	2 x 10, 6 x 25 men, SOLAS Compliant
Rescue Boat c/w Davit	1 x 6 men, Inflatable with 25 HP Outboard Engine, Non-Solas

**PRINCIPAL PARTICULARS**

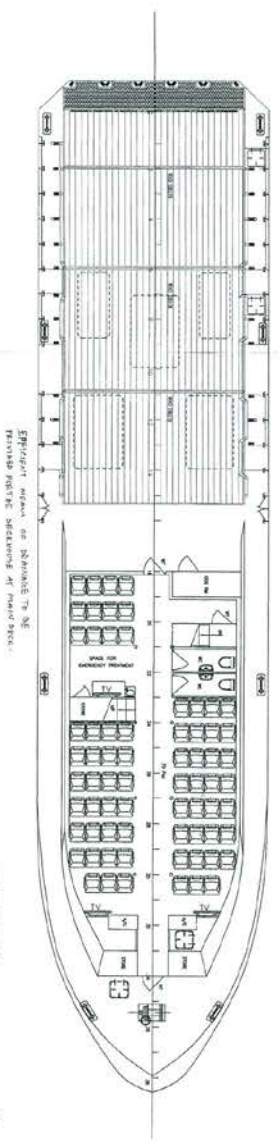
LENGTH O.A. .... 35.00 M  
 LENGTH B.P. .... 33.20 M  
 BREADTH MLD. .... 7.60 M  
 DEPTH MLD. .... 3.65 M  
 DESIGN DRAFT .... 1.88 M  
 COMPLIMENT ..... 8 CREW  
 70 OFFSHORE WORKERS



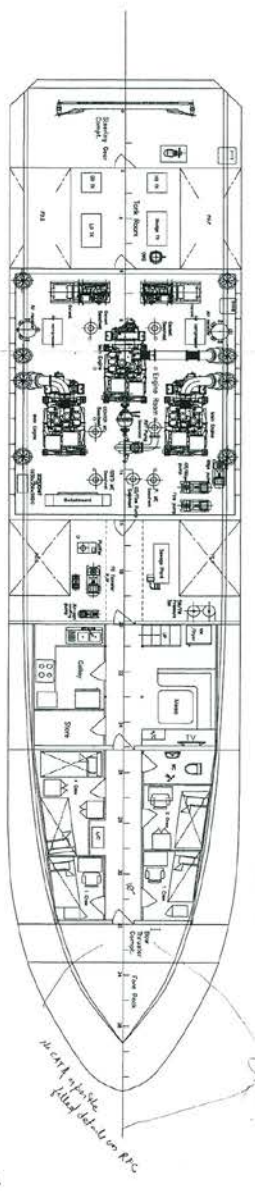
PROFILE



DECKHOUSE PLAN

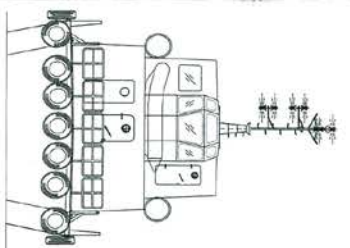


BELOW MAIN DECK



of layout details of structure to be prepared

Handwritten notes: "No comment" and "10/1/08".



STEM VIEW

FOR CLASSIFICATION APPROVAL  
 Date: 23.05.2008

SINGAPORE OFFICE  
 COY  
 ABS  
 13 DEC 2008

Rev No	Modification	Date	Done	Remarks
01	380 CREW BOAT (H182-187)	4/16/1		

TITLE: GENERAL ARRANGEMENT

PENGUIN SHIPYARD INTERNATIONAL PTE LTD  
 18 Sun Road, Singapore 089114 Tel: 6542222 Fax: 6542220

BRANKIN ZH DATE: 13.AUG.2008 SCALE: 1/75  
 CHECKED BY: DATE: REVISION: A  
 BRANKIN No. PBL-1162-G-01 SHEET: 1 OF 1