



EXPRESS 90

Fast Utility Craft/ Crewboat

PRINCIPAL PARTICULARS

Year Built	2015
Place Built	Batam, Indonesia
Design	Penguin Shipyard Int'l
Flag	Panama
Length Overall	40.00 m
Length BP	36.51 m
Breadth Moulded	7.60 m
Depth Moulded	3.65 m
Draft (max)	1.90 m
Freeboard (SLL)	1.40 m
Class	BV
Notation	I + Hull + MACH, Crewboat, Sea area 3 (Max. Significant Wave Height > 3.00 m)
GRT/ NRT	272.00 T / 81.00 T
Deadweight	128.23 T

DECK PARTICULARS

Clear Deck Area	100.00 m ²
Deck Carrying Load	60.00 T
Deck Strength	2.00 T/m ²

PERFORMANCE

Maximum Speed	28 Knots @ 35 DWT
Economic Speed	25 Knots @ 35 DWT

PROPULSION SYSTEM

Main Engines	2 x 1350 BHP & 1 x 1800 BHP, Cummins KTA38M2 & KTA50M2 (IMO Tier II) @ 1900 RPM
Auxiliary Engines	3 x Cummins, 6CT8.3D(M), 90 kW @ 1500 RPM
Portable Generator	Denko KDE3300
Emergency Generator	Nil
Bow Thruster	Hoyer, Y2E.280MB-4, 1.4 T Thrust
Propellers	3 x Fixed Pitch Propellers, 5-blade
Steering Gear System	2 x RIQ Steering Gear, PURQ8006D02204
Rudder	2 x Mencast

TANK CAPACITIES

Fuel Oil	73.70 m ³
Fresh Water	29.40 m ³

CARGO DISCHARGE CAPACITIES

Fuel Oil Pump	23.00 m ³ /hr
Fresh Water Pump	Nil
Bilge	30.00 m ³ /hr

DECK EQUIPMENT

Anchor Windlass c/w Bow	TYPE HHAW1532A, Chain Cable Diameter 17 mm, Primer Mover Type Hydraulic
Crane	Nil



ACCOMMODATION

Passenger Seats	100
Crew	2 x 1, 4 x 2 = 10

EXTERNAL FIRE-FIGHTING EQUIPMENT

Fi-Fi Notation	Equivalent to 1/4 FiFi c/w Water Spray System
Fi-Fi Monitors	600 m ³ /hr @ 100 m Throw Length
Fi-Fi Pump	600 m ³ /hr @ 130m Head
Oil Dispersant System	1 V-Jet Nozzles (P&S), 200 L

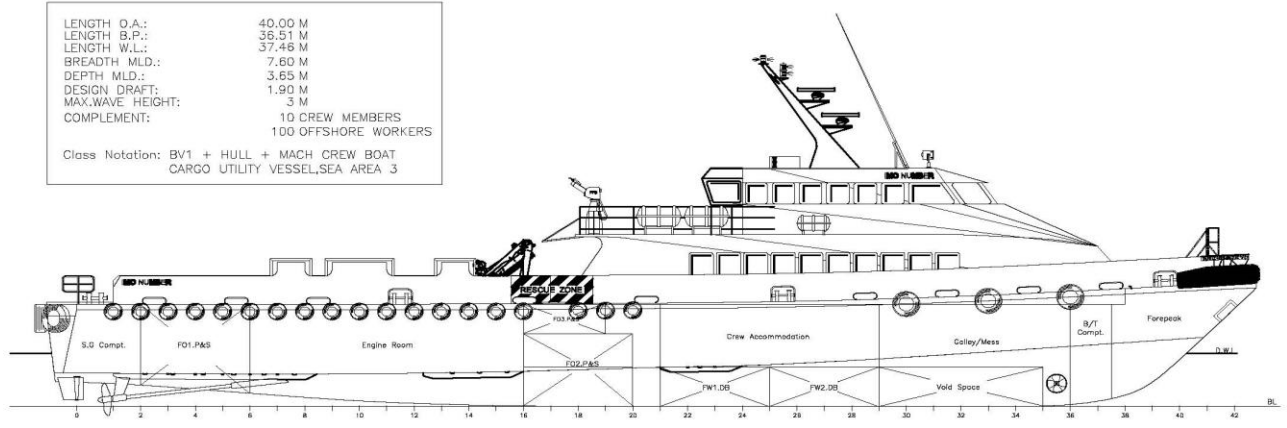
INTERNAL FIRE-FIGHTING & ANTI-POLLUTION EQUIPMENT

Emergency Fire Pump	Matsuka/Yanmar, 30m ³ /hr @ 35 m Head
CO2 Fi-Fi System	Fixed CO2 System for Engine Room
Fire Detection & Alarm	Optical, Multi-Sensor Smoke & Heat Detector Alarm

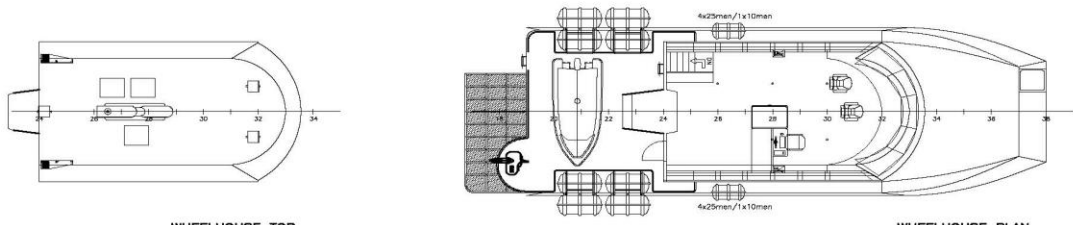
LIFE-SAVING EQUIPMENT

Life Rafts	8 x 25, 2 x 10 men, SOLAS Compliant
Rescue Boat c/w Davit	Nil

LENGTH O.A.: 40.00 M
 LENGTH B.P.: 36.51 M
 LENGTH W.L.: 37.46 M
 BREADTH MLD.: 7.60 M
 DEPTH MLD.: 3.65 M
 DESIGN DRAFT: 1.90 M
 MAX. WAVE HEIGHT: 3 M
 COMPLEMENT: 10 CREW MEMBERS
 100 OFFSHORE WORKERS
 Class Notation: BV1 + HULL + MACH CREW BOAT
 CARGO UTILITY VESSEL, SEA AREA 3

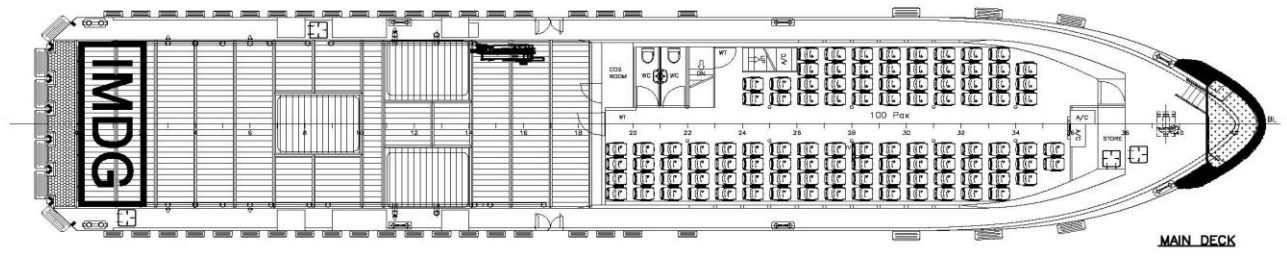


PROFILE

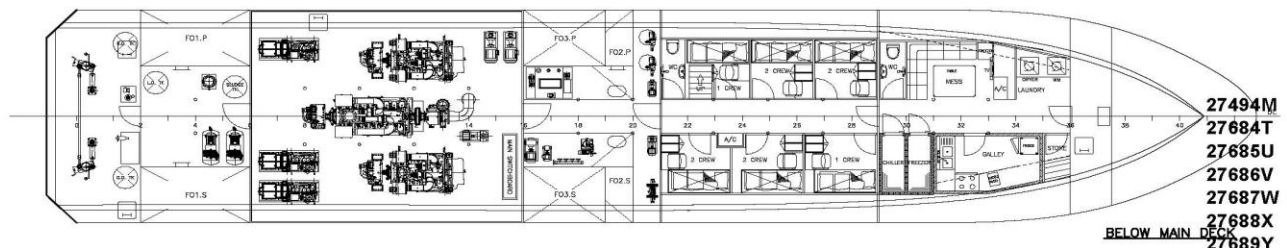


WHEELHOUSE TOP

WHEELHOUSE PLAN



MAIN DECK

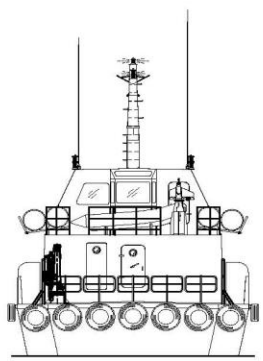


BELOW MAIN DECK

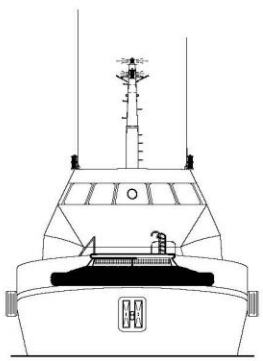
- 27494M
- 27684T
- 27685U
- 27686V
- 27687W
- 27688X
- 27689Y

BUREAU VERITAS Section 27695F.....
VU avec observations
 Singapore, 03-Aug-2014

[Electronic document]
 The plan approval office
 SPO/14/02904



STERN VIEW



FRONT VIEW

PROJECT:	FLEX-40S (H255,260,261,263,264,265,268,276)		
TITLE:	GENERAL ARRANGEMENT		
PENGUIN SHIPYARD INTERNATIONAL PTE LTD 18 Tuas Basin Link, Singapore 638784 Tel: 68628322 Fax: 68622150			
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DRAWN:	STEPHEN	DATE:	27.MAR.2014
CHECKED:	YAW JH	DATE:	28.MAR.2014
APPROVED:	CHEW KH	DATE:	28.MAR.2014
DRAWING No.:	PSI-H255-C-01	SHEET:	1 OF 1