

## TAMROSE VENTURES LIMITED

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## TMC PHOENIX (HULL 325)

### VESSEL OVERVIEW

Vessel Type: Aluminium Monohull Fast Multi-Hole Security Vessel  
Designed and built by Penguin Shipyard  
Classification: BV I, \*HULL, • MACH, Crew Boat/ Fast Patrol Boat, Sea Area 3  
Safety Regulation: BV and Panama Flag State requirements  
Regs, Codes, Guidelines: MARPOL, SOLAS, IMDG

### HULL PARTICULARS

Length Overall: 40.00 m  
Breadth Moulded: 7.60 m  
Depth Moulded: 3.65 m  
Loaded Draft: 1.89 m  
Bow Transfer Platform for Personnel: Fitted

### CARGO DECK

Clear Deck Area: 110 sqm  
Deck Cargo Capacity: 60 MT  
Deck Strength: 2.0 MT / sqm  
Deck Dimensions: 19.5 m x 5.6 m  
Cargo Railing Height: 1.0 m  
Deck Crane: Knuckle-boom crane, 500 kg @ 5.5 m outreach  
Deck Store: Fitted  
Remarks: Adequate cargo retainers and lashing lugs on both sides for securing deck cargo

### TONNAGE

GRT: 267 MT  
NRT: 80 MT  
DWT: 135 MT

### MAIN MACHINERY

Number of Main Engines: 3 units with resilient mountings  
Make / Type: Caterpillar C32 ACERT IMO Tier 2  
Total BHP: 3 x 1450 BHP @ 2300 rpm  
Propellers: 3 x fixed pitch, Ni-Al-Bronze, 5 blades  
Bow Thruster: 1 unit electro-hydraulic @ 100 HP

### PERFORMANCE

Maximum Speed: 28 knots @ 100% MCR  
Maximum Speed Fuel Consumption: 878 L/hr  
Economical Speed: 26 knots @ 85% MCR  
Economical Speed Fuel Consumption: 765 L/hr

### GENERATORS AND AUXILIARY ENGINES

Generators: 3 x Caterpillar SR4 Alternator 86 kW  
Prime Movers: 3 x 125 BHP @ 1500 rpm  
Make / Type: Caterpillar C4.4  
Vessel Power Supply: 415/220 Volt AC, 50 Hz, 3-phase + 24 Volt DC  
Shore Power / Reefer Sockets: 1 / 4

### SAFETY EQUIPMENT

Life Rafts: 2 x 25-man each side as per SOLAS  
Life Jackets: 53 on board as per SOLAS  
Life Buoys: 8 on board as per SOLAS  
Scrambling Nets: 2 units  
Other Equipment: Pyrotechnics, line-throwing apparatus  
Rescue Zone: Port and Starboard

### EMERGENCY RESPONSE FEATURES

1 x external FiFi monitor with remote clutch and control @ 600 cbm per hour  
Aerosol fire extinguishing system  
Motorised workboat

### ACCOMMODATION AND STORAGE

**MAIN DECK**  
Passenger Seats: Economy Class 30 pax  
Passenger Toilets: 2 cubicles with showers  
Entertainment System: 2 x LCD TV screens  
Security Personnel Cabins / Total Bunks: 4 / 10  
(2 x 4-man, 2 x 1-man)  
Security Personnel Shower Rooms: 2 cubicles

### BELOW MAIN DECK

Crew Cabins / Total Bunks: 4 / 8  
(1 x 4-man, 1 x 2-man, 2 x 1-man)  
Crew Toilet: 1 cubicle with shower  
Entertainment System: 1 x LCD TV screen  
Crew Mess and Galley: Fitted  
Crew Washer and Dryer: Fitted  
Separate Walk-In Freezer and Chiller: Fitted  
Dry Store: Fitted  
Work Bench: Fitted

### ELECTRONICS AND CONTROLS

GMDSS: Sea Area A1+A2  
VHF: FM-8900S  
MF/HF Radio: FS 1575  
BNWAS: LeGuardian2025  
Marine Radar: Furuno FR-8065  
GPS: Furuno GP-39  
Depth / Echo Sounder: Furuno FCV-688  
Gyro Compass: Simrad RGC50  
Magnetic Compass: Riviera 6"  
Navtex: JMC NT1800  
Public Address / Intercom System: Vingtor ETB-100  
Search Lights: 3 x 1000W  
EPIRB: McMurdo E5  
(406MHz & 121.5MHz)  
SART: McMurdo S4  
AIS: Furuno FA-170  
Fleet Broadband: FBB 500  
CCTV: 9 units fitted  
(5 x Exterior, 1 x Passenger Area, 2 x Engine Room, 1 x Bridge)

### TANK CAPACITIES

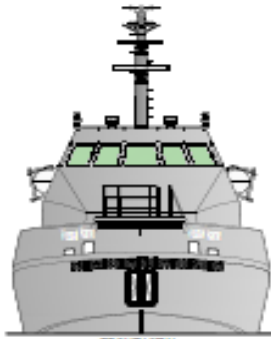
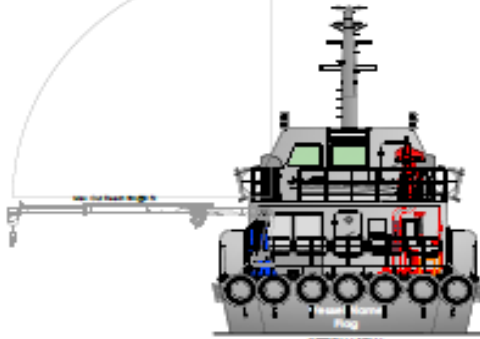
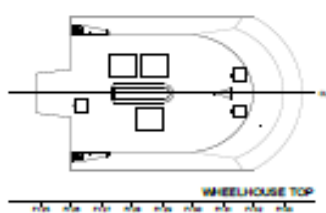
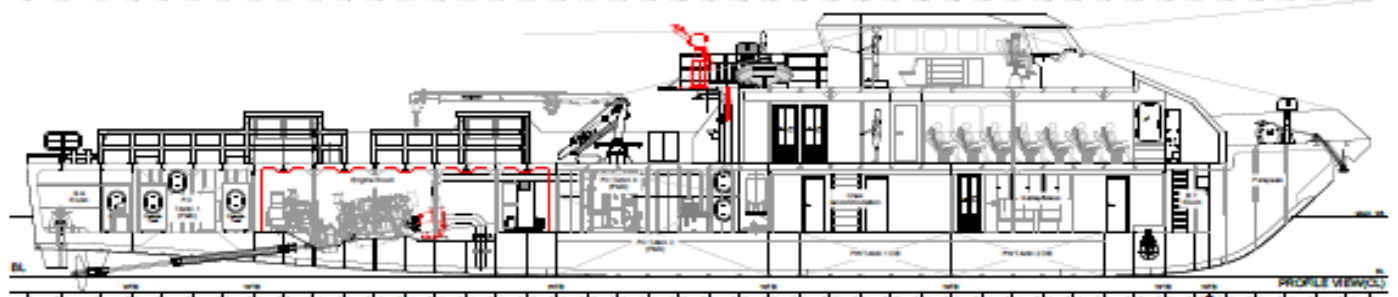
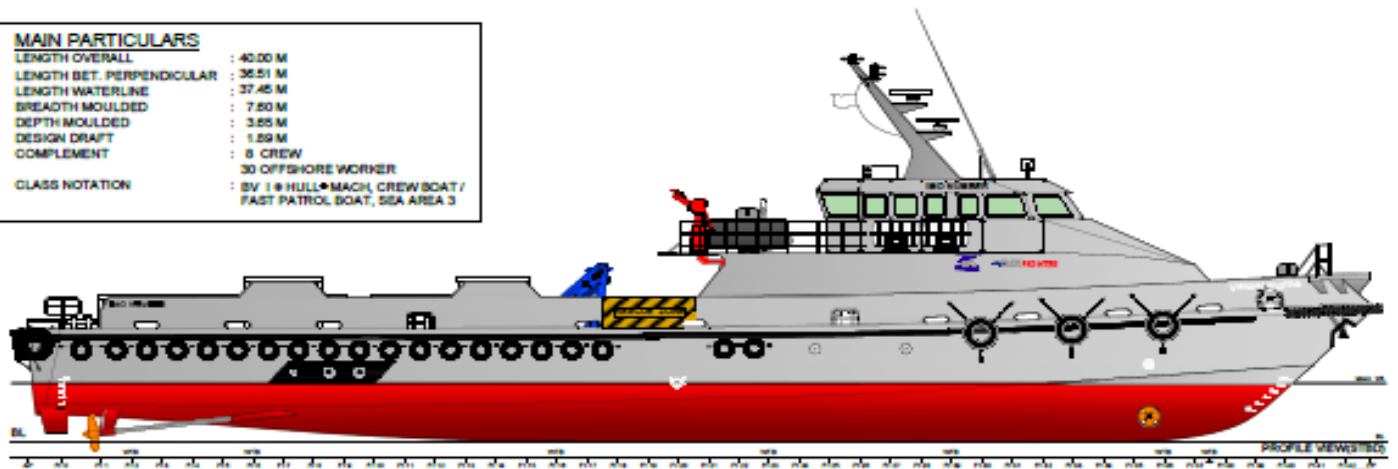
Fuel Oil: 93,000 L  
Fresh Water: 30,000 L  
Fresh Water Maker: 3.4 ton/day  
Oily Bilge: 600 L  
Lube Oil: 450 L  
Gear Oil: 450 L  
Hydraulic Oil: 450 L  
Fuel Oil Sludge: 500 L  
Fuel Oil Purifier: Heavy duty, self-cleaning unit  
IMO-Approved Sewage Treatment Plant: Fitted for 15 pax  
IMO-Approved Oily Water Separator: 15 ppm

### FLEX FIGHTER FEATURES

Night vision camera: Fitted  
All-Round Wheelhouse Ballistic Protection:  
- Wheelhouse Windows (STANAG L1)  
- Wheelhouse Panels (STANAG L1) up to ceiling height  
- Wheelhouse Weathertight Door (STANAG L1)  
Gun Mounts with Ballistic Shields (1 x forward and 2 x aft)  
\* Weapons not included

**MAIN PARTICULARS**

LENGTH OVERALL : 40.00 M  
 LENGTH BET. PERPENDICULAR : 35.51 M  
 LENGTH WATERLINE : 37.45 M  
 BREADTH MOULDED : 7.50 M  
 DEPTH MOULDED : 3.55 M  
 DESIGN DRAFT : 1.59 M  
 COMPLEMENT : 8 CREW  
 30 OFFSHORE WORKER  
 CLASS NOTATION : BV 1 8 HULL MACH, CREW BOAT /  
 FAST PATROL BOAT, SEA AREA 3



Rev	Date	Drawn	Checked	Approved	Description
1	24-10-2019	NBN	KJK	YJH	Main deck layout revised as per Owner requirement
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Name: Flex Fighter (H325, H326) Title: General Arrangement					
Drawn:	NBN	Date:	25-07-2019	Rev. Title:	Arrangement
Checked:	KJK	Date:	25-07-2019	Doc. Status:	Released
Approved:	YJH	Date:	25-07-2019	Hull No.:	H325
Rev. Title:	FLEX-458LC	Drawing No.:	PSI-H325-601-01	Sheet:	1 of 1
				Revision:	B

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