



TAMROSE LIMITED

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TMC PHOENIX (HULL 325)

VESSEL OVERVIEW

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

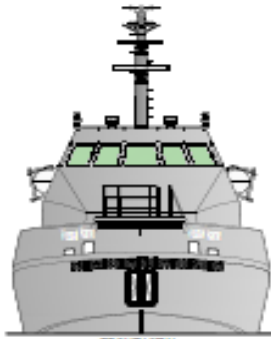
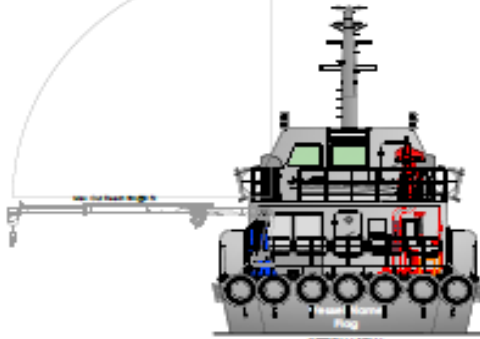
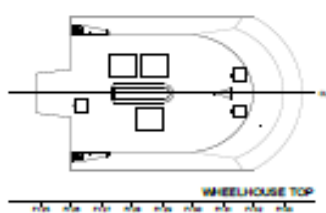
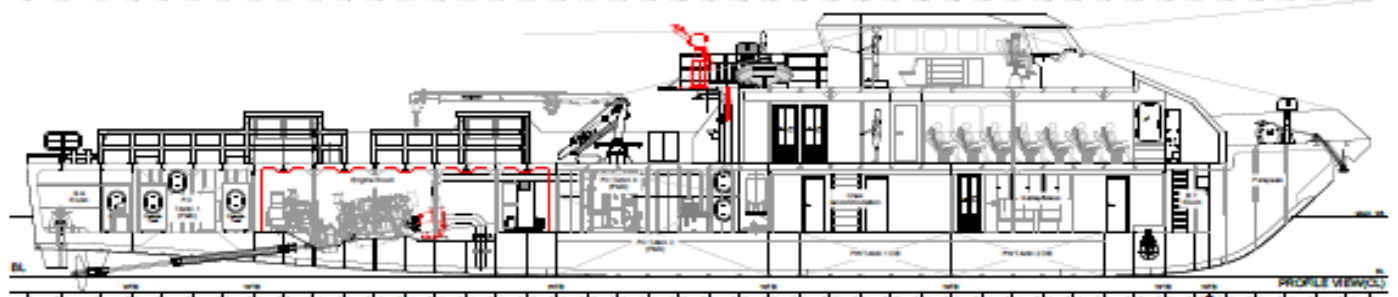
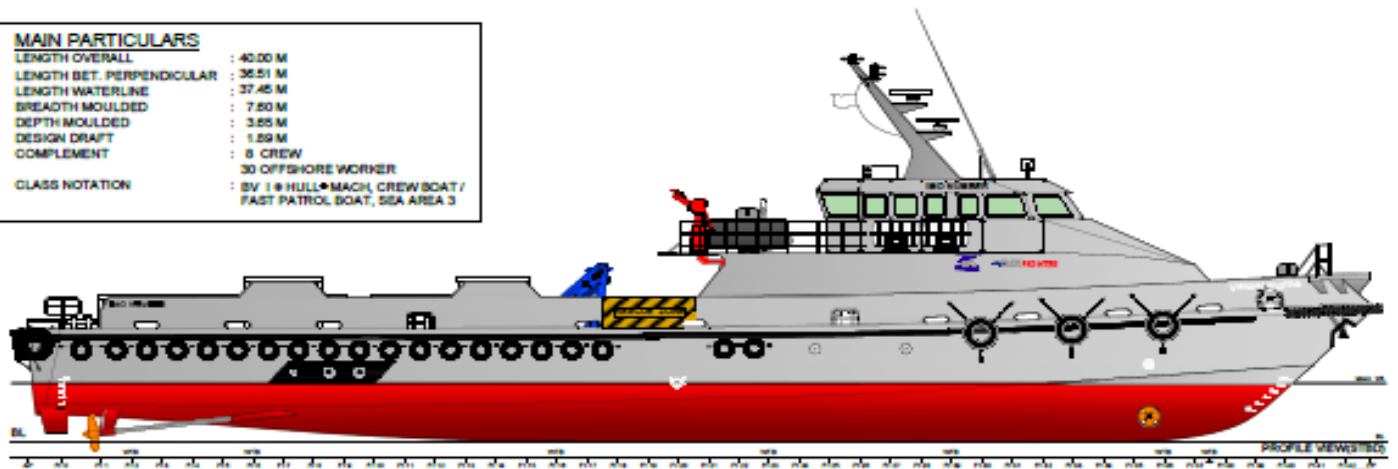
Fuel Oil:	93,000 L
Fresh Water:	30,000 L
Fresh Water Maker:	3.4 ton/day
Oil Bilge:	600 L
Lube Oil:	450 L
Gear Oil:	450 L
Hydraulic Oil:	450 L
Fuel Oil Sludge:	500 L
Fuel Oil Purifier:	Heavy duty, self-cleaning unit
IMO-Approved Sewage Treatment Plant:	Fitted for 15 pax
IMO-Approved Oily Water Separator:	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	001
Checked	KJK	Date	25-07-2019	Doc Status	Released
Approved	YJH	Date	25-07-2019	Hull No.	H325
Rev: 01 Scale: 1:50				Sheet: 1 of 1	
Rev: 01 Scale: 1:50				Revision: B	
Rev: 01 Scale: 1:50			Drawing No.: PSI-H325-601-01		