



TAMROSE LIMITED

Plot 7 Okuru - Abuloma Link Road,
By Emmanuel College Junction,
Abuloma, Port Harcourt.
Rivers State
Nigeria
Tel: +234 703 603 5444
Email: contactus@tamrose.com



TMC FALCON (HULL 326)

VESSEL OVERVIEW

Vessel Type:	Aluminium Monohull Fast Patrol Security Vessel
Classification:	BV I, PHULL, 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:	26 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 SP4 Alternator 86 kW
Prime Movers:	3 x 12t BHP @ 1500 rpm
Make/ Type:	Caterpillar C4.4
Vessel Power Supply:	415/200 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
Rooster 7000:	Aft 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

MINI 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:	LoGuardian2025
Marine Radar:	Furuno FR-8065
GPS:	Furuno GP-39
Depth / Echo Sounder:	Furuno FCV-688
Gyro Compass:	Simrad RGC50
Magnetic Compass:	Hinnora 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
AS:	Furuno FA-170
Flat Broadband:	FBB 500
CCTV:	8 units fixed (5 x Exterior, 1 x Passenger Area, 2 x Engine Room, 1 x Bridge)

TANK CAPACITIES

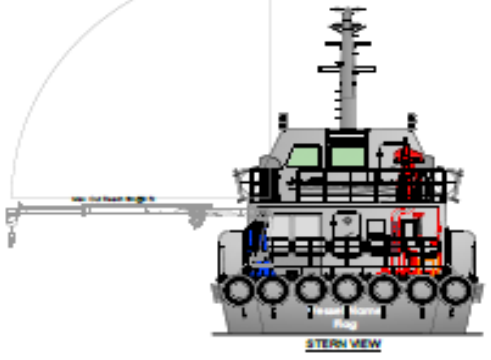
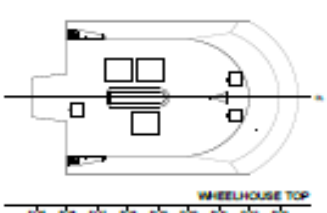
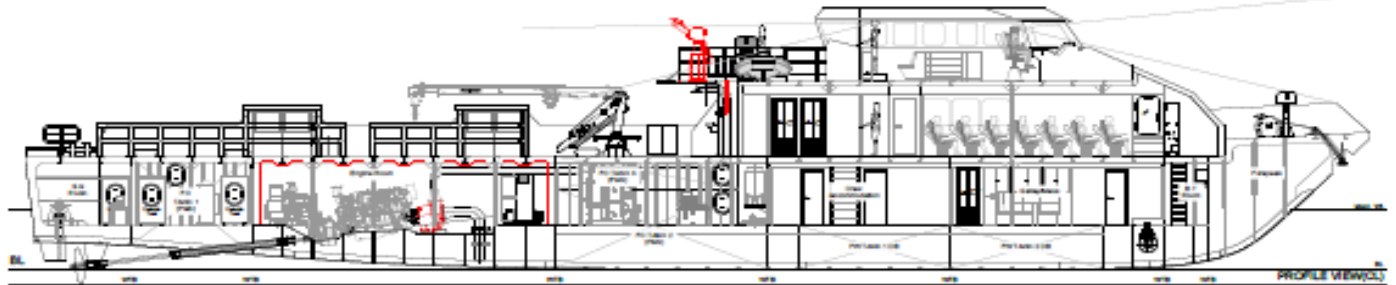
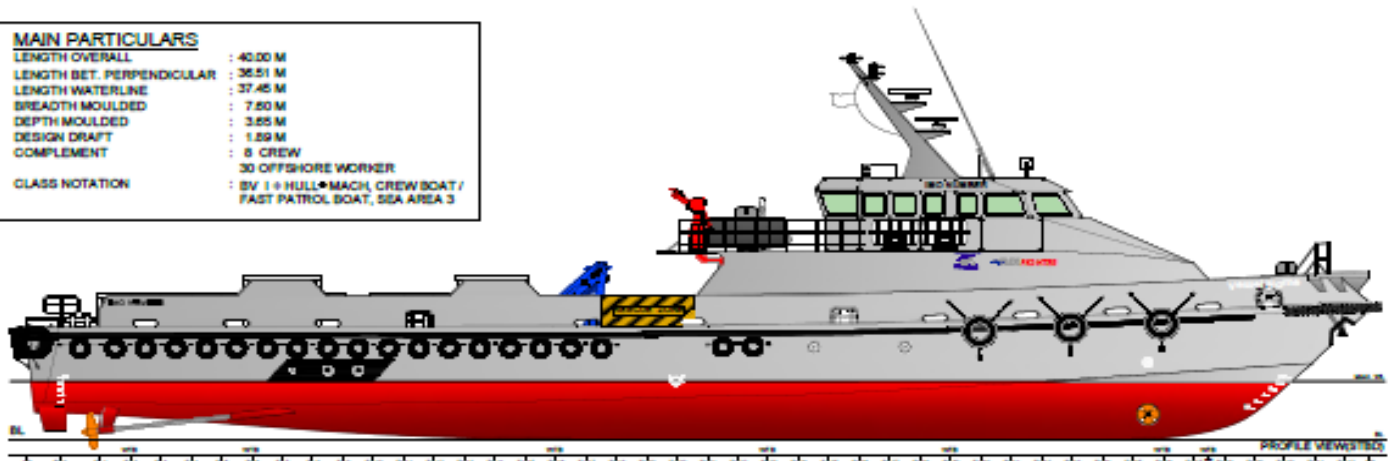
Fuel Oil:	93,000 L
Fresh Water:	30,000 L
Fresh Water Maker:	3.4 ton/day
Oil Bilge:	600 L
Lube Oil:	450 L
Gear Oil:	450 L
Hydraulic Oil:	450 L
Fuel Oil Sludge:	500 L
Fuel Oil Purifier:	Heavy duty, self-cleaning unit
IMO-Approved Sewage Treatment Plant:	Fitted for 15 pax
IMO-Approved Oil Water Separator: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

FLEX FIGHTER FEATURES

Night vision camera:	Fitted
ALL Round Wheelhouse Rollover Protection:	
- Wheelhouse Windows (STANAG L1)	
- Wheelhouse Panels (STANAG L1) up to ceiling height	
- Wheelhouse Weatheright 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 : 36.51 M
 LENGTH WATERLINE : 37.45 M
 BREADTH MOULDED : 7.50 M
 DEPTH MOULDED : 3.55 M
 DESIGN DRAFT : 1.52 M
 CREW : 9
 COMPLEMENT : 30 OFFSHORE WORKER
 CLASS NOTATION : BV 1 + HULL * MACH, CREW BOAT / FAST PATROL BOAT, SEA AREA 3



Rev	01-10-2018	ISSN	KJK	YJH	Main deck layout revised as per Owner requirement
Rev	Date	Drawn	Checked	Approved	Description
PENGUIN SHIPYARD INTERNATIONAL PTE LTD 18 Tuas Basin Link, Singapore 630764, www.penguin.com.sg					
All drawings and information contained herein are the property of the undersigned and shall remain confidential. Any use of this information without the written consent of the undersigned is strictly prohibited.					
Project: Flex Fighter (H325, H326)					
Title: General Arrangement					
Drawn	ISSN	Date	25-07-2018	Rev. Type	Arrangement
Checked	KJK	Date	25-07-2018	Doc. Status	Released
Approved	YJH	Date	25-07-2018	Hull No.	H325
File No.: FLEX-605LC				Drawing No.	PSI-H325-601-01
				Sheet	1 of 1
				Revision	B
				Scale	1:50