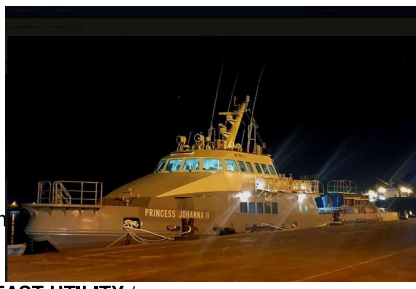


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**"FLEX FIGHTER" OFFSHORE FAST UTILITY /  
SECURITY BOAT BASED ON PENGUIN'S PROVEN FLEX-40SX MULTI-ROLE CREWBOAT**  
**Engineered for Speed and Security ( Full Ballistic Protection)**

**PRINCESS JOHANNA II**

**VESSEL OVERVIEW**

Vessel Type:	Aluminium Monohull Fast Multi-Role Security Vessel
	Designed and built by Penguin Shipyard
Year Built:	2015
Classification:	BV I, ±HULL, ±MACH, Crew Boat, Sea Area 3
	Unrestricted Navigation
	(Max Significant Wave Height Not Exceeding 3m)
Safety Regulation:	BV and Nigerian 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:	100 sqm
Deck Cargo Capacity:	60 MT
Deck Strength:	2.0 MT / sqm
Deck Dimensions:	16.89 m x 5.9 m
Cargo Railing Height:	1.0 m
Deck Crane:	Palfinger PK 4501, 0.5 Ton @ 6 m
Remarks:	Adequate cargo retainers and lashing lugs on both sides for securing deck cargo

**TONNAGE**

GRT:	269 MT
NRT:	80 MT
DWT:	128 MT

**MAIN MACHINERY**

Number of Main Engines:	3 units with resilient mountings
Make / Type:	1 x Cummins KTA50-M2 IMO Tier 2
	2 x Cummins KTA38-M2 IMO Tier 2
Total BHP:	1 x 1800 BHP + 2 x 1350 BHP @ 1900 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 Fuel Consumption:	865 L/hr
Economical Speed:	26 knots @ 85% MCR
Economical Fuel Consumption:	660 L/hr

**GENERATORS AND AUXILIARY ENGINES**

Generators:	3 x Alternator Stamford 6B-OP80DM 80kW
Prime Movers:	3 x 122 BHP @ 1500 rpm
Make / Type:	3 x Cummins 6BT5.9-DM1
Vessel Power Supply:	415/220 Volt AC, 50 Hz, 3-phase + 24 Volt DC
Shore Power / Reefer Sockets:	1 / 4

**SAFETY EQUIPMENT**

Life Rafts:	4 x 25-man each side as per SOLAS
Life Jackets:	71 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

**ELECTRONIC FUEL MANAGEMENT SYSTEM**

Engine/ electronic fuel management system:	Fitted
- Coriolis meters for main engines and generators:	12 units
- Coriolis meter for bunker line:	1 unit

**ACCOMMODATION AND STORAGE**

**MAIN DECK**

Passenger Seats:	Economy Class 42 pax
Passenger Toilets:	2 cubicles with showers
Entertainment System:	2 x LCD TV screens
Security Personnel Cabins / Total Bunks:	3 / 12 (3 x 4-man)
Security Personnel Shower Rooms:	2 cubicles
Deck Command Centre fitted with Radar Monitor, CCTV Monitor, VHF, Heading Repeater and GPS Repeater.	

**BELOW MAIN DECK**

Crew Cabins / Total Bunks:	4 / 10
	(3 x 2-man, 1 x 4-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:	Sailor 6222 (Fwd), Simrad RS12 (aft)
MF/HF Radio:	Sailor 6301 (fwd), ICOM IC-M710 (aft)
BNWAS:	Swaves Energy
Marine Radar:	Simrad NSS 12
GPS:	Simrad NSS 12
Depth / Echo Sounder:	Lourance HDS5X
Gyro Compass:	Simrad RGC50
Magnetic Compass:	Ravira
Navtex:	Furuno NX-700
Public Address / Intercom System:	Jotron Phontech 3130
Search Lights:	San Shin x 3, 1000W
EPIRB:	Jotron 60S/60GPS
SART:	Tron Srat 20
AIS:	Saab R5 Solid
CCTV:	8 units fitted
	(5 x Exterior, 1 x Passenger Area, 2 x Engine Room)

**TANK CAPACITIES**

Fuel Oil:	86,000 L
Fresh Water:	30,000 L
Lube Oil:	800 L
Gear Oil:	450 L
Hydraulic Oil:	450 L
IMO-Approved Sewage Treatment Plant:	Fitted for 15 pax
IMO-Approved Oily Water Separator:	15 ppm

**STANDARD FLEX FIGHTER FEATURES**

All-Round Wheelhouse Ballistic Protection:	
- Wheelhouse Windows (STANAG L1)	
- Wheelhouse Panels (NIJ Level III+) up to waist height	
- Wheelhouse Weathertight Door (STANAG L1)	
Gun Locker Room	
Gun Mounts with Ballistic Shields (1 x forward and 1 x aft)	
* Weapons not included	
Ulysses II Night Vision Camera	

**EMERGENCY RESPONSE FEATURES**

2 x external FIFI monitors with remote clutch and controls @ 600 cbm	
Motorised workboat	