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## "FLEX FIGHTER PLUS" CREW / UTILITY BOAT: BASED ON PENGUIN'S FLEX-45 MULTI-ROLE CREWBOAT PLATFORM

**Engineered for Speed and Security ( FULL BALLISTIC )**

### PRINCESS JENNIFER

#### VESSEL OVERVIEW

Vessel:	Aluminium Monohull Fast Multi-Role Support Vessel
	Designed and built by Penguin Shipyard
Current Model Year:	2015
Classification:	Bureau Veritas
Safety Regulation:	BV I * Hull * Mach, Crewboat, Sea Area 3
Regs, Codes, Guidelines:	BV and Nigeria Flag State Requirements
Flag :	MARPOL, SOLAS, IMDG Lagos, Nigeria

#### HULL PARTICULARS

Length Overall:	45.00 m
Breadth Moulded:	8.80 m
Depth Moulded:	3.65 m
Loaded Draft:	1.89 m
Bow Transfer Station:	Fitted

#### CARGO DECK

Clear Deck Area:	135 sqm
Deck Cargo Capacity:	80 MT
Deck Strength:	2.0 MT / sqm
Deck Dimensions:	20.5 m x 6.5 m
Cargo Railing Height:	1.0 m
Deck Crane:	Palfinger PK4501, 500 kg @ 6 m outreach
Remarks:	Adequate cargo retainers and lashing lugs on both sides for securing deck cargo

#### TONNAGE

GRT:	332 MT
NRT:	99 MT
DWT:	134 MT

#### MAIN MACHINERY

Number of Main Engines:	4 units with resilient mountings
Make / Type:	Baudouin 12M26.2 IMO Tier 2
Total BHP:	4 x 1200 BHP @ 1950 rpm
Propellers:	4 x fixed pitch, Ni-Al-Bronze, 5 blades
Bow Thruster:	1 unit electro-hydraulic @ 132 HP

#### PERFORMANCE

Maximum Speed:	27 knots @ 100% MCR
Maximum Fuel Consumption:	840 L/hr
Economical Speed:	25 knots @ 85% MCR
Economical Fuel Consumption:	700 L/hr

#### GENERATING SETS (AUXILIARIES)

Prime Movers:	3 x 170 BHP @ 1500 rpm
Make / Type:	Baudouin 6W105S
Generators:	3 x Leroy-Somer LSAM 44.2 L12 92 kW
Vessel Power Supply:	415/220 Volt AC, 50 Hz, 3-phase + 24 Volt DC
Shore Power / Reefer Sockets:	1 / 4

#### SAFETY OF LIFE AT SEA (SOLAS) EQUIPMENT

Life Rafts:	5 x 25-man each side as per SOLAS
Life Jackets:	55 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

Two external fire fighting monitors with remote clutch and controls  
@ 2 x 600 cbm per hour  
Motorised workboat

#### ACCOMMODATION AND STORAGE

##### MAIN DECK

Passenger Seats:	40 pax
Passenger Toilets:	2 cubicles with showers
Security Personnel Cabins / Total Bunks:	3 / 12 pax (3 x 4-man)
Security Personnel Shower Rooms:	2 cubicles
Entertainment System:	1 x LCD TV screen
AC / Store Room:	Fitted
Concealed Safe Room	Fitted

Deck Command Centre with Radar Monitor, CCTV Monitor, VHF and GPS Repeater.	Fitted
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##### BELOW MAIN DECK

Crew Cabins / Total Bunks:	4 / 10 (3 x 2-man, 1 x 4-man)
Crew Bathroom:	1 cubicle with shower
Crew Mess and Galley:	Fitted
Crew Washer and Dryer:	Fitted
Separate Walk-In Freezer and Chiller:	Fitted
Dry Store:	Fitted

#### ELECTRONICS AND CONTROLS

GMDSS :	Sea Area A1+A2+A3
VHF :	Simrad RS12
SSB Radio (Non-GMDSS):	ICOM IC-M710
MF/HF:	Sailor 6301
Satellite Telephone/Email:	Thrane & Thrane FBB 150 and Thuraya Orion
Marine Radar:	Simrad 12U/6X & NSS 12"
GPS:	Simrad MX610
Depth / Echo Sounder:	JMC F1000
Gyro Compass:	Simrad RGC80
Magnetic Compass:	Riviera 6"
Navtex:	Sailor 6390
Public Address / Intercom System:	Phontech CIS 3130
Search Lights:	San Shin x 3, 1000W
EPIRB:	Jotron 60S
SART:	Jotron Tron
AIS:	Saab R5
Speed Log:	Walker 7070
CCTV:	7 units fitted (6 x Exterior, 1 x Engine Room)

#### TANK CAPACITIES

Fuel Oil:	135,000 L
Fresh Water:	35,000 L
Dirty Oil:	0.8 cbm
Dispersant:	0.2 cbm
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  
Gun Mounts with Ballistic Shields (1 x forward and 1 x aft)  
Ulysses II Night Vision Camera

#### REMOTE FUEL MONITORING SYSTEM

Engine Remote Fuel Management System	Fitted
- Coriolis meters for main engines and generators	14 units
- Coriolis meter for bunker line	1 unit