



VESSELS



1,046sqm

Deck Area



100 Tonnes

Crane



2 off 150HP XLX

ROV



68

POB



1,600 t

Deck-Cargo



DP = 7-10 m³/day

Fuel Cons.

AFRICAN CONCEPT

Vessel Summary

AFRICAN CONCEPT is a Subsea Construction & Inspection Vessel.

- 4,213T Deadweight
- 100T Active Heave Compensated Crane (2,000m depth capacity)
- 2x work-class 150HP Triton XLX ROVs
- 68-Person Accommodation with low-noise comfort
- Optimized Hull & Diesel-Electric Propulsion for fuel efficiency
- 15T Whip Line Capacity (33m outreach)
- 1,046 m² Deck Space | 1,600T Cargo Capacity

Quick Facts

- Work Moonpool & Removable Mezzanine Deck
- DP2 Dynamic Positioning System (Kongsberg K-Pos DP-22)
- Certified Helideck (20.9m diameter) for Sikorsky S-92 operations.
- SOLAS and DNV “Clean Class” Compliant, ensuring high safety and environmental standards.
- Onboard Life Rafts: 6 × 35-person units (A pack).

General Information

Name	African Concept
Primary Roles	Subsea Light Construction, Inspection, and Maintenance
Classification	DNV 1A1 Supply Vessel Clean COMF (V-3) DK (+) DYNAPOS(AUTR) EO HELDK(S) HL (2.8) Ice(C) NAUT(OSV(A)) OILREC SF
Flag	Nigerian
IMO Number	9408994
Built	2009

Principal Dimensions

Length Overall	93.60 m
Breadth (Moulded)	19.70 m
Deadweight	4,213 t
Deck Space	1,046 m ² (886 m ² open deck)
Depth to Main Deck	7.85 m
Max Draft (midship)	6.30 m

DECK EQUIPMENT & CRANES

Moonpool	6.0 × 5.28 m (with damping system)
Deck Area	1,046 m ² (886 m ² open deck)
Deck Cargo Capacity	1,600 t
Offshore Crane	100 t SWL, 100 t main line @ 15 m, 2,000 m depth
Whip Line	15 t @ 33 m
Deck Cranes	2 × 5 t @ 15 m
Heeling Pump	1,500 m ³ /h
Roll Reduction	2 × Passive Tanks
Utility Stations	440V/220V/60Hz socket sets, seawater cooling, IT, PA, intercom
Winches	2 × Hydraulic Aft + Mooring Equipment (electric)

Tank Capacities (100%)

Fuel Oil	1,185 m ³
Fresh Water	1,009 m ³
Methanol	214 m ³
Special Products	214 m ³
Ballast/Drill Water	1,742 m ³
Dry Bulk	300 m ³
ORO Capacity	1,455 m ³

Vessel Speeds and Fuel Consumption

Main Propellers	2 × Rolls Royce Azipull Azimuth Thrusters (2,200 kW each)
Bow Thrusters	2 × 1,050 kW + 1 × 883 kW bow azi (all RR, freq.controlled)
Main Generators	4 × 2,100 ekW – Caterpillar 3516
Auxiliary Gen	2 × 550 ekW – Caterpillar C18
Emergency Gen	1 × 185 ekW – Caterpillar C9
Trial Speed	15.5 knots

ROV Systems

Systems	2 × 150 HP Triton XLX Workclass ROVs
Depth Rating	3,000m with 600m tether
Manipulator Types	Schilling T4 and Rigmaster
Mount	Mezzanine deck

Accommodation

Accommodation	68 people
Berths (No.)	3 × State, 13 × Officer (single), 26 × Crew (double)
Amenities	Gym, Hospital, Coffee Shops, Dayrooms, Laundry, Internet Café
Comfort	All cabins en-suite, AC chilled water system
Life-saving	6 × 35p Life Rafts, 1 × FRC with Electric Davit (SOLAS Approved)

Helideck

Rated Certified	Sikorsky S-92 certified (NCAA approved)
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Additional Systems

Cooling Pumps	Central + Hull Box Coolers Bilge, Fire, Fuel, Fresh Water, Hydraulic, Air Compressors
Electrical	3-Phase 60 Hz; 690V, 440V, 230V, 24V DC
Fire Safety	Water mist system (engine, galley, incinerator)

DP Systems

DP System	Kongsberg K-Pos DP-22 (DP2, Dynpos AUTR)
Joystick Navigation	C-Joy Integrated Maneuvering System
Station Keeping	Integrated Bridge System
Reference Systems	ERN 99.98.98 2 × Veripos LD-9 DGPS 1 × HiPAP 500 1 × Spottrack
Sensors	2 × MRU 5, 1 × MRU D, 2 × Windsensors, 3 × Gyros, Speed Log, Deepwater Echosounder 1x Radascan

