

M.V. STANFORD OSPREY

4000 BHP Multi Purpose Supply Vessel DPS 2, FiFi 1



STANFORD MARINE



PRINCIPAL PARTICULARS

Year Built	:	2010
Class	:	ABS+A1 E "Offshore Support Vessel, Fire Fighting Class 1 + AMS+ DPS 2, SPS Client
Flag	:	St. Vincent Grenadines
IMO No.	:	9589853
Call Sign	:	J8B4373
Official No.	:	10846
GRT /NRT	:	1393 / 418

DIMENSIONS

Length Overall	:	57.50 m
Length WL	:	52 m
Breadth Moulded	:	13.80 m
Depth Moulded	:	5.50 m
Draft	:	4.71 m
Deck Cargo	:	400 MT
Deck Area	:	350 m2
Deck Strength	:	7t/m2
Deadweight	:	1148.59 T

SPEED

Max. Speed	:	12 knots
Eco Speed	:	10 knots

CAPACITIES

Fuel Oil	:	446 m3
Fresh Water	:	184.2 m3
Water Ballast/Drill Water	:	352.5 m3
Liquid Mud	:	165 m3
Bulk Cement	:	140 m3 (3 x 1650cuft)
Bilge Holding	:	6.92 m3
Dirty Oil	:	6.92 m3
Lub Oil	:	5.3 m3
Dispersant	:	13.5 m3
Foam	:	13.5 m3
Freezer / Cooler	:	6m3 / 6m3
Portable Freezer	:	3 x 5.5m3 (optional)

DISCHARGE CAPACITIES

Fuel Oil	:	1 x 150 m3/hr @ 75m head
Fresh Water	:	1 x 100 m3/hr @ 75m head
Drill Water	:	1 x 100 m3/hr @ 75m head
Liquid Mud	:	2 x 75 m3/hr @ 75m head
Bulk Cement	:	2 x 13 m3/min @80 psi
Bilge Pump	:	75 m3/hr
Ballast Pump	:	75 m3/hr
G.S/Fire Pump	:	75 m3/hr
B/T Bilge Pump	:	60 m3/hr

AUXILIARY EQUIPMENT

1 x Sewage Treatment Plant suitable for 50 men, ST4A, 6000L/day
Maker of sewage treatment plant: Hamworthy KSE Ltd. Marine & offshore
2 x Air Compressor, 9cbm/ h @ 10bar, Atlas copco LE15-10, Belgium
1 x Oily Bilge Water Separator, capacity 1.0 cbm/hr with oil content less than 15 ppm
Maker of oily water separator: Hamworthy KSE Ltd. Marine & offshore
2 x Electric Heating Calorifier, 300L, ZHENITH
1 x MDO Separator, 3000L per hour, P-605, Alfa Laval (HK) Ltd
1 x Fresh Water Hydrophore Plant, 500L, CSSC (Nantong), China
1 x Sea Water Hydrophore Plant, 500L, CSSC (Nantong), China
1 x UV Sterilizer, 3cbm/ h, Alfa Laval (HK) Ltd.
Cement System: 2 sets of compressors, 5.6kg/ cm2 (80 psi) work

ACCOMMODATION

One Man Cabins	:	4 cabin
Two Man Cabins	:	1 cabins
Four Man Cabins	:	11 cabins

Hospital with 2 bed

**All cabins are fully air condition.

DECK & AUX. EQUIPMENT

Anchor	:	2 x 1260kg HHP anchors
Chain	:	Total length 412.5m each x 34mm / 15 shackles each side, U2 stud link chains
Anchor Windlass	:	1 x electro hydraulic with 2 cable lifter and 2 warping drums
Winch Rating	:	9mt @ 12m/min for 36mm DIA chains
Capstan	:	2 x 5mt @ 15m/min electro hydraulic Maker of deck machinery, South China Marine Machinery Plant, CSSC, China
Tugger Winch	:	2 x 50KW, SWL 50KW
Deck Crane	:	Sormec Marine Crane M460/35 SWL 25t @ 10m radius / 5t @ 36.5m radius

PROPULSION SYSTEM

Main Engines	:	2 x 2000 BHP @ 1600 rpm each, Cummins QSK60-M
Propellers	:	Fixed Pitch 360° Azimuths SRP 1212FP,SCHOTTEL/ GmbH Bow Thruster 1 x 430 KW Tunnel Thruster Schottel STT330LK CP415 v.50Hz, SCHOTTEL/Gmbh 1 x 550 KW tunnel Thr. ,Type KT88B3
Generator	:	3 DG x 350kw / 415V / 3 ph / 50 Hz diesel driven Cummins KTA 19 1x 709kW / 415V / 50Hz Diesel Driven Mitsubishi S12A2-MPTAW-5
Emergency Generator	:	1 x 70kw / 3 ph / 415V / 50Hz diesel driven Cummins 6BT 5.9
Air Con & Refr. Plant	:	Air conditioned cooling plant: 90YH60, 2 sets
Air con for ECR	:	90MA406, 3 set
Air con for wheel house	:	50ss042, 3 sets
Refr provision plant	:	90YK12, 2 sets
Maker	:	Carrier/ Cadar
Engine for FiFi Pump	:	746kW/1800rpm, Cummins 38-M1

RADIO & NAVIGATION EQUIPMENT

GMDSS: A1,A2,A3	
Kongsberg k pos 21 DP 2	
2 DGPS Receiver LD 900	
1 x Cyscan / 1 Fan Beam	
Rack Console System comprising :	
a) 2 x Inmarsat C with EGC	2 x 96nm X-band Radar
b) 1 x MF/HF-DSC Radio Telephone	1 x GPS Plotter
c) 2 x VHF-DSC Radio Telephone	1 x Magnetic Compass
d) 2 x SART	3 x Gyrocompass
e) 1 x EPIRB	1 x Autopilot
f) 1 x Navtex Receiver	1 x Weather Fax Receiver
g) 3 x VHF Portable radios	1 x Doppler Speed Log
h) Numerous radio Receivers	1 x Echo Sounder
i) 1 x A.I.S. (Automatic Identification System)	1 x PA/Talkback System
1 x Kongsberg Joystick Control	1 x Self Powered Telephone
1 x VHF/FM Radio Telephone	4 x Anemometer
1 x SSB Radio	1 x Auto Telephone system
	1 x TV and Radio system

FIRE FIGHTING & LSA EQUIPMENT

External FiFi : 2 x 1500 cbm/hr @ 14 bar / 140 mlc / 1800 rpm
Pump : 2 x 1200 cbm/hr @ 12 bar (with remote control)
throw length 120m / throw height 45m from sea level
Monitors One monitor fitted with double barrel for foam discharge
1 x Water Spray Curtain round the Hull & Deckhouse
Engine room water spray system : Seaplus, South Korea

Fire Extinguishing System

Engine Room CO2 system
11 x fire hydrants and fire extinguishers as Class requirements
6 x fireman outfits
4 x fire blankets for engine room and galley
1 x BA recharging compressor of 75 ltr/min @ 200 bar

Life Saving

6 x 25 men Inflatable Life rafts
2 x 10 men Life rafts
8 x Lifebuoys
100 x Lifejackets
2 x MOB-Light Smoke Signal
4 x Self-Contained Line Throwing Apparatus
12 x Parachute Distress Signal
12 x Red Hand flare Distress Signals
12 x Smoke Signals
1 x First Aid Kit
1 x Rescue Boat 6-man diesel inbound clw launch single davit arm (Optional)
6 x Air breathing apparatus
5 x 1000W floodlights
2 x 2000W searchlights
1 x daylight signaling light
1 x air-horn and 1 x electric horn

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