

M.V STANFORD OSPREY

4000 BHP Multi Purpose Supply Vessel DPS 2, FiFi 1



PRINCIPAL PARTICULARS

Year Built	: 2011
Builder	: Fujian Mawei Shipbuilding Industry Group, China
Call Sign	: J8B4476
Official No.	: 10949
Class	: ABS+A1 E "Offshore Support Vessel, Fire Fighting Class 1 + AMS+ DPS 2, SPS Compliant
Flag	: St. Vincent Grenadines
GRT /NRT	: 1387/416

DIMENSIONS

Length Overall	: 57.50m
Length WL	: 55.10m
Breadth Moulded	: 13.80m
Depth Moulded	: 5.50m
Draft	: 4.50m
Freeboard	: 1.0m

MACHINERY

Main Engines	: 2 x 2000 BHP @ 1600 rpm each Cummins QSK60-M
Propellers	: Fixed Pitch 360o Azimuths SRP 1212FP,SCHOTTEL/ GmbH
Bow Thruster	: 2 x 430 Kw Tunnel Thruster Schottel STT330LK CP 415V, 50Hz, SCHOTTEL/ GmbH
Generator	: Generator 3 x 350kw / 415V / 3 ph / 50 Hz diesel driven , Cummins KTA 19
Emergency Generator	: 1 x 70kw / 3 ph / 415V / 50Hz diesel driven Cummins 6BT 5.9 DP-1
Air Con & Refr. Plant	: Air con cooling plant: 90YH60, 2 sets
Air con for ECR	: 90MA406, 1 set
Air con for wheel house	: 50ss042, 2 sets
Refr provision plant	: 90YK12, 2 sets
Maker	: Carrier/ Cadar
Engine for FIFI Pump	: 746kW/1800rpm, Cummins 38-M1

SPEED

Max. Speed	: 12.0kts
Type of Fuel	: Marine Gas Oil
Consumption	: Abt 14mt/24 hrs @ 100% MCR

CAPACITIES

Fuel Oil	: 458 cbm
Fresh Water	: 196 cbm
Water Ballast/Drill Water	: 369 cbm
Liquid Mud	: 162 cbm
Bulk Cement	: 187 cbm (3 x 1237 cuft)
Lub Oil	: 5.3 cbm
Dispersant	: 13.5 cbm
Foam	: 13.5 cbm
Deck Cargo	: 500 mt
Deck Area	: 376 sqm
Deck Strength	: 7t/sqm
Deadweight	: 1350 mt
Freezer abt	: 15 cbm
Cooler abt	: 8 cbm

DISCHARGE CAPACITIES

Fuel Oil	: 1 x 150 cbm/hr @ 75m head
Fresh Water	: 1 x 100 cbm/hr @ 75m head
Drill Water	: 1 x 100 cbm/hr @ 75m head
Liquid Mud	: 2 x 75 cbm/hr @ 75m head
Bulk Cement	: 2 x 13 cbm/min @80 psi

ACCOMMODATION

One Man Cabins	: 4 cabins
Two Man Cabins	: 1 cabins
Three Man Cabin	: 1 cabin
Four Man Cabins	: 7 cabins
Total	: 50 berths
Fully Air-Conditioned	

DECK & AUX. EQUIPMENT

Anchor	: 2 x 1590kg HHP anchors
Chain	: Total length 412.5m x 34mm 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

RADIO & NAVIGATION EQUIPMENT

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

FIRE FIGHTING & LSA EQUIPMENT

External FIFI : 2 x 1500 cbm/hr @ 14 bar / 140 mic / 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
12 x fire hydrants and fire extinguishers as Class requirements
2 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 Liferrafts
8 x Lifebuoys
83 x Lifejackets
2 x MOB-Light Smoke Signal
4 x Self-Contained Line Throwing Apparatus
12 x Parachute Distress Signals
12 x Red Handflare Distress Signals
12 x Smoke Signals
1 x First Aid Kit
1 x FRC 6 man diesel inboard clw launch recovery davit (Optional)
4 x Air breathing apparatus
6 x 1000W floodlights
2 x 2000W searchlights
1 x daylight signaling light
1 x airhorn and 1 x electric horn

AUXILIARY EQUIPMENT

1 x Sewage Treatment Plant suitable for 50 men, ST4A, 6000L/day
Maker of sewage treatment plant: Hamworthy KSE Ltd. Marine & offshore
1 x ST/day reverse osmosis Fresh Water Maker, Aquamar Electric
1 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
1 x Electric Heating Calorifier, 1000L, CSSC (Nantong), China
1 x MDO Separator, 1259L per hour, MMPX 403, 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