

M. V. STANFORD CARACARA

4400 BHP Multi Purpose Supply Vessel DPS 1, FiFi 1



PRINCIPAL PARTICULARS:

Year Built	: JAN 2011
Builder	: Fujian Mawei Shipbuilding Industry Group, China
Call Sign	: J8B4475
Official No.	: 10948
Class	: ABS+A1 E "Offshore Support Vessel, Fire Fighting Class 1 + AMS+ DPS 1
Flag	: SVG
GRT /NRT	: 1393/418

DIMENSION:

Length (Overall)	: 57.50 M
Length WL	: 55.10 M
Breadth (Moulded)	: 13.80 M
Depth (Moulded)	: 5.50 M
S.Draft	: 4.585 M
Free Board	: 1.0 MTR
DWT	: 1104 MT

MACHINERY:

Main Engines	: 2 x 2200 BHP @ 1600 rpm each Cummins QSK60-M
Propellers	: Fixed Pitch 360o Azimuths SRP 1212FP,SCHOTTEL/ GmbH
Bow Thruster	: 1 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 Cummins 6BT 5.9 DP-1
Air Con & Refr. Plant	: Air con cooling plant: 90YH60, 2 sets DP-1 Air con for ECR : 90MA406, 1 set Air con for wheel house: 50ss042, 2 Refr provision plant: 90YK12, 2 SETS Maker: Carrier/ Cadar
Engine for FIFI Pump	: 746kW/1800rpm, Cummins 38-M1

SPEED:

Service Speed	: 10 kts
Max. Speed	: 12.0kts
Type of Fuel	: Marine Gas Oil
Consumption	: Abt 13mt/24 hrs @ 100% MCR
Cons:	: 10 MT / 24 Hr

CAPACITIES:

Fuel Oil	: 458 cbm
Fresh Water	: 196 cbm
Water Ballast/Drill Water	: 369 cbm
Liquid Mud	: 162 cbm
Bulk Cement	: 187 cbm
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 4 x Air breathing apparatus
Fresh Water	: 1 x 100 cbm/hr @ 75m head 3 x Immersions Suits
Drill Water	: 1 x 100 cbm/hr @ 75m head 5 x 1000W floodlights
Liquid Mud	: 2 x 75 cbm/hr @ 75m head 2 x 2000W searchlights
Bulk Cement	: 2 x 13 cbm/min @ 80 psi

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
Deck Crane	: Machinery Plant, CSSC, China Maker of deck machinery: South China Marine Sormec 18T @ 12 Mtrs, 5T @ 36.8 Mtrs

ACCOMMODATION:

One Man Cabins	: 4 cabins
Two Man Cabins	: 1 cabins
Four Man Cabins	: 11 cabins
Total	: 50 berths
1 x Hospital with 1 bed	: Fully Air-Conditioned

RADIOS & 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
- 1 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
- 1 x Anemometer
- 1 x Auto Telephone system
- 1 x TV and Radio system

Maker of radio & nav equipment: FURUNO, Japan
DP-1

1 x VSAT

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
- 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 (optional)

Life Saving

- 6 x 25 men Inflatable Liferrafts
- 8 x Lifebuoys
- 60 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 10 man diesel inboard c/w launch recovery davit (Optional)
- 1 x Rigid Inflatable Rescue Boat for 6 persons (with outboard motor)
- 4 x Air breathing apparatus
- 3 x Immersions Suits
- 5 x 1000W floodlights
- 2 x 2000W searchlights
- 65 x BA sets with quick fit conn.
- 1 x daylight signaling light
- 1 x air horn and 1 x electric horn
- 1 x Cascade system for 1 hour (16 Bott)

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 5T/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) working pressure, 13cbm/min
Maker of cement system: UNISLIP JAPAN LTD