

M. V. STANFORD CARACARA

4000 BHP Multi Purpose Supply Vessel DPS 1, FiFi 1



STANFORD MARINE



PRINCIPAL PARTICULARS:

Year Built	:	2011
Flag	:	SVG
Class	:	ABS / +A1 Fire Fighting Vessel Class 1, Offshore Support Vessel, (E), +AMS, Addtl. Notation RW
IMO No.	:	9589865
Call Sign	:	J8B4475
Official No.	:	10948
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
Summer Draft	:	4.6 M
Free Board	:	0.8 MT
Deadweight	:	1050 MT
Deck Cargo	:	500 mt
Deck Area	:	365 sqm
Deck Strength	:	7T/sqm

SPEED:

Service Speed	:	10 knots
Max. Speed	:	12 knots

CAPACITIES:

Fuel Oil	:	442 m3
Fresh Water	:	203 m3
Water Ballast/Drill Water	:	340 m3
STP Tank	:	22 m3
Liquid Mud	:	162 m3
Bulk Cement	:	187 m3
Lube Oil	:	5.3 m3
Dispersant	:	13.5 m3
Foam	:	13.5 m3
Freezer / Chiller	:	15 m3 / 8 m3

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

MACHINERY:

Air Con & Refr. Plant	:	Air con cooling plant: 90YH60, 2 sets DP-1 Air con for ECR : 90MA406, 1 set Air con for wheelhouse: 50ss042, 2 Refr provision plant: 90YK12, 2 SETS Maker: Carrier/ Cadar
Engine for FiFi Pump	:	746kW/1800rpm, Cummins 38-M1
Sewage Treatment Plant	:	Suitable for 80-men
Water Maker (Optional)*	:	
Oily Bilge Water Separator	:	Capacity 1.0 m3/hr with oil content less than 15 ppm
Electric Heating Calorifier	:	1000L / CSSC (Nantong), China
MDO Separator	:	1259L/hr MMPX 403, Alfa Laval(HK) Ltd.
FW Hydrophore Plant	:	500L/hr C5SSC (Nantong), China
SW Hydrophore Plant	:	500L/hr C5SSC (Nantong), China
UV Sterilizer	:	3m3/h, Alfa Laval (HK) Ltd.
Air Compressor	:	2 x 9m3/Hr @ 10 Bar Atlas Copol Leis – 10 Belgium
Cement System	:	2 sets 5.6kg/ cm2 (80 psi) / WP 13m3/min

ACCOMMODATION:

One Man Cabins	:	4 cabins
Two Man Cabins	:	1 cabins
Four Men Cabins	:	6 cabins
Total	:	30 berths
Hospital	:	1 Sick Bay

DECK EQUIPMENT:

Anchor	:	2 x 1590kg HHP anchors
Chain	:	Total length 412.5m x 34mm U2 stud link chains
Anchor Windlass	:	1 x wheelhouse 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 @ 10 Mtrs,5T @ 36.5Mtrs

PROPULSION SYSTEM:

Main Engines	:	2 x 2000 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

RADIOS & NAVIGATION EQUIPMENT:

GMDSS: A1,A2,A3	
Rack Console System comprising :	
a) 2 x Inmarsat C with EGC	j) 1 x GPS Plotter
b) 1 x MF/HF-DSC Radio Telephone	k) 1 x Chart Plotter
c) 2 x VHF-DSC Radio Telephone	
d) 2 x SART	
e) 1 x EPIRB	
f) 1 x Navtex Receiver	
g) 3 x VHF GMDSS Two-way Portable radios	
h) Numerous radio Receivers	
i) 1 x A.I.S. (Automatic Identification System)	

DYNAMIC POSITIONING SYSTEM:

DP-1	
1 x Kongsberg Joystick Control	1 x Echo Sounder
1 x SSB Radio	1 x PA/Talkback System
2 x 96nm X-band Radar	1 x Self Powered Telephone
1 x GPS Plotter	1 x Anemometer
1 x Magnetic Compass	1 x Auto Telephone System
1 x Gyrocompass	1 x TV and Radio system
1 x Autopilot	1 x VSAT
1 x Weather Fax Receiver	Maker of radio & navigational equipment: FURUNO, Japan
1 x Doppler Speed Log	

FIRE FIGHTING EQUIPMENT:

External FiFi Pump	:	2 x 1500 m3/hr @ 14 bar / 140 mlc / 1800 rpm
Pump	:	2 x 1200 m3/hr @ 12 bar (with remote control throw length 120m / throw height 45m from sea level
Monitors	:	1 fitted with double barrel for foam discharge
ER Water Spray system	:	Seaplus, South Korea

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
Fixed CO2 System on Paint Store
Fixed Wet Chemical System in Galley
13 x BA Set + 18 Spare Cylinder

LIFE-SAVING APPLIANCES:

10 x 25 men Inflatable Liferatts
8 x Lifebuoys
112 sets x EEBD (including 2 spare + 1 for training)
128 x Lifejackets for Adult
2 x MOB-Light Smoke Signal
4 x Self-Contained Line Throwing Apparatus
12 x Parachute Distress Signals
12 x Red Hand flare Distress Signals
12 x Smoke Signals
3 x First Aid Kit
1 x FRC 15-man diesel inboard c/w launch recovery davit
4 x Thermal Protective Aid
6 x Air breathing apparatus
2 x Immersions Suits
5 x 1000W floodlights
2 x 2000W searchlights
1 x BA recharging Compressor (without certificate)
1 x daylight signaling light
1 x air horn and 1 x electric horn
1 x Rigid RB for 6 persons (with inboard engine)