

Siddis Mariner VS 485 MPSV

TECHNICAL OUTLINE SPECIFICATION
FIELD SUPPLY-, PIPE CARRIER, LIGHT CONSTRUCTION & ROV- SHIP
Delivery: 11.03.2011



MAIN DESCRIPTION

Type: FIELD SUPPLY, STANDBY (S), PIPE CARRIER
LIGHT CONSTRUCTION & ROV SHIP.

Class: DNV +1A1, ICE-C E0, SF, DYNPOS AUTR,
Class notation CLEAN DESIGN,
dk(+) (10 t/m²), hl(2,8), LFL*,
OIL REC, COMF-V (3)C(3),
NAUT OSV(A),

Options:
FI-FI I, DEICE-C, Stand-by Vessel (S),

Certificates:

World Wide Unlimited, 1966 Load line Conv. SOLAS, MARPOL

MEASUREMENTS

Length o. a.	: 88,30m
Length b. p.p.	: 77,70m
Breadth moulded	: 20,00m
Depth 1st dk.	: 8,60m
Depth 2nd dk.	: 5,40m
Draught, max.	: 7,15m
DWT max	: 5100T
Gross Tonnage	: 5063T
Net Tonnage	: 1519T
Deck load, VCG 1m a.dk	: 2500T

1 Roll Reduction tank aft below 1st deck

CARGO CAPACITIES

Cargo Deck area	: 920 m ²
Deck strength	: 10 tonnes/m ²
Fresh Water	: 985m ³
Fuel Oil	: 904 m ³
Liquid mud (centrifugal)	: 702,9 m ³
Slop	: 71,3m ³
Brine	: 539 m ³
Drill/Ballast w.	: 2288,8 m ³
Methanol	: 145,7 m ³
Special Product	: 146,4 m ³
Base oil	: 203,5 m ³
Cement	: 431,8 m ³
2x76te/hr.	
Misc tank	: 154.8 m ³
ORO capacity	: 1800 m ³

DISCHARGE RATES

4''	2 x 150 m ³ /hour
4''	2 x 0-150 m ³ /hour (comb.ORO)
4''	4x 0-100m ³ /hr (2 screw and 2
	2 x 100 m ³ /h
4''	2 x 150 m ³ /hour - 18 bar
4''	2 x 0 - 150 m ³ /hour - 9 bar
4''	1 x 0 - 75 m ³ /hour - 9 bar
4''	1 x 0 - 75 m ³ /hour - 9 bar
4''	2 x 0- 100m ³ /hour - 9 bar
5''	2 x comp. 29 m ³ /min.-5.6 bar:

13 tanks in total can be utilised for ORO: mud, brine, slope, base oil, special products and methanol.

The cement bulk system includes dust collector with dust cyclone for the bulk tanks with automatic drainage. Liquid Mud, Methanol and Special Product tanks are free of any stiffeners, girders or floors. 6 off agitators for the mud tanks installed.

Wash water syst. w/washing machines are installed in the brine, mud and slop tanks. Wash water can be heated to 80°C.

The methanol and special product tanks are made of stainless steel.

MACHINERY / Diesel Electric propulsion

Gen set. Output	: 4 x Cat 3516C, each 2100 e. kW -Tot.:8400ekW.
Main propulsion	: 2 x 2200 kW (El. Driven R-R CP AZP100).
Azimuth thruster	: 1 x 880 kW (El. Driven R-R FP).
Bow thrusters	: 2 x 1200 kW
Emergency gen.	: 1 x 320 e. kW
SCR NOx reduction system	

PERFORMANCE

Max speed, approx.:	15 knots ~24t/day
Econ speed/cons.:	12 knots. ~10,5 t/day
DP operation:	3, 6 tonnes/day
Port consumption:	1, 5 tonnes/day

DECK/RESCUE EQUIPMENT

Cargo securing winches: 6 pcs. Each side in safe haven,

Capstans aft: 2 x 10 tonnes
Windlass/Mooring: 2 Hydraulic driven
Cranes boat deck: 1 off: 3t ex 13 m, 1 off: 1,2 t ex. 10,5

Fast Rescue Craft: MOB with 1x 22 hp engine.
Life rafts : 3x25men at each side of the ship lockers
Survival Suits for 64 persons.

Lifesaving equipment according to NMD rule requirements.

Removable cargo rail port side: 15.6 m in length.
Prepared: 100 T Offshore Crane, Heli-Deck

ACCOMMODATION

Total	: 64 persons
Cabins	: 22 x 1 (single) bed cabins
Cabins	: 21 x 2 (double) bed cabins
Hospital	: 1 off + ward 2 beds
Mess / dayroom	: for 30 / 21 persons
Dayroom smokers:	8 persons
Coffee shop	: 1 off, main deck
Reception	: 1 off, main deck
Wardrobe	: 1 off, main deck w/40
Deck office	: 5 off
Internet Cafe`	: 1 off

NAVIGATION EQUIPMENT

1 x X - band Radar ARPA
1 x S - band Radar ARPA & inter switch
2 x Direction finder (VHF and MF)
3 x Gyro/Autopilot
2 x Furuno GPS, Model GP3-150 DGPS
1 x Echo-sounder
1 x Navtex-receiver
2 x ECDIS voyage computer
1 x Furuno AIS FA-150, 1 x pilot plug
1 x Azimuth circle
1 x Remote alarm, AU-12, NAUT (OSV)
1 x FURUNO Doppler log DS 80
1 x FURUNO VDR VR3000

DP ref. systems:

2xVeripos DGPS, Correction signal Standard
2xMRU
1 x Cyscan (FAN BEAM)
2 x Wind sensor

2 x HiPaP 500 or HPR (prepared for, not installed)

COMMUNICATION EQUIPMENT

According to GMDSS A3
1 x MF/HF Radio w/radio telex & DSC
1 x Satcom «F» w/ telex & fax
1 x Watch keeping receiver
2 x VHF duplex & DSC
1 x VHF semi duplex /4 x VHF portable
1 x Sound reception system
1 x intercom w/radio / loudhailer

DP workstations

DYNPOS AUTR

TELEPHONE SWITCH BOARD

Lines in: VSAT 4 trunks, 1xGSM
Lines out: All Cabins and public areas, Offices, Conference room, etc.

FIRE FIGHTING SYSTEM

Fixed extinguishing system engine room: Water mist system
Cargo Area: Fixed foam & conventional hydrants approved by class:

The ship is diesel electric driven with frequency controlled propellers, -supply ship/ pipe carrier, which is designed to meet the general market, in addition to be specially designed for field supply & ROV duties, equipped with efficient azimuth thrusters and a dynamic positioning system for safe and economic Worldwide service.

The ship is designed for low fuel consumption and excellent sea-keeping. This in addition to low noise and vibration in hull and superstructure ensure high comfort. The ship is designed according to the class notation "Clean Design" and "COMF-V rate 3", and high focus are given on reduced fuel consumption, which means lesser emission to the environment.

All specifications subject to change