

AHT - SUPPLY - DP2 - FIFI1

VORTEX VENTURE

10,760 BHP | 140 TBP



SPECIFICATIONS:

ANCHOR HANDLING & SUPPLY TUG, FIFI 1, DP-2

GENERAL:

Vessel Type:	Anchor Handling Tug Supply Vessel DP2
Built:	Built 2009, Keppel Nantong Shipyard Co.,Ltd.
IMO no:	9421192
Official no:	24017
Call Sign:	5LQ03
Flag:	Liberia
Classification:	CCS
Class Notation:	★CSA Tug/Offshore Supply Ship/Fire Fighting Ship 1; Anchor Handling ★CSM AUT-0; DP-2; SCM

DIMENSIONS:

Length Overall:	76.00 m
Beam (Moulded):	17.00 m
Depth (Moulded):	7.60 m
Draft (Moulded):	6.20 m
GRT:	2,943 T
NRT:	883 T
Deadweight:	2700 T
@ 6.2 m draft	

CAPACITIES:

Deck Strength:	10 T/m ²
Deck Size:	37.85 x 13.61mtrs
Clear Deck Area:	515 m ² @1000T
Fuel Oil:	1056 m ³
Fresh Water:	485 m ³
Drill Water:	1019 m ³
Mud:	650 m ³
Liquid Mud:	650 m ³
Brine:	214 m ³
Base Oil:	215 m ³
Dry Bulk:	260 m ³
Rig Chain Locker:	215 m ³
Chain Capacity:	3070 m

MACHINERY:

Main Engines:	4 x 2690 bhp; MAK 6M25
Main Generators:	3 x 601 kw; CAT C18
Harbour Generator:	1 x 425 kw; CAT C18
Emergency Generator:	1 x 99 kw; CAT 3506
Tunnel Bow Thruster 1:	1 x 632 kw x 8.5 tons Thrust
Tunnel Bow Thruster 2:	1 x 632 kw x 8.5 tons Thrust
Tunnel Stern Thruster:	1 x 632 kw x 8.5 tons Thrust
Steering Gear:	2 x 45 degree
Propulsion:	2 x CPP with Fixed Nozzle
Rudders:	Split, High Lift

PERFORMANCE:

Bollard Pull:	140 T
Speed(max):	14 Kts
Cruising speed:	12 Kts
Speed(econ):	9 Kts

SPECIAL FEATURES:

Four main Engines deliver maximum fuel economy with excellent redundancy

All thrusters are independently driven (no shaft generators)

Twin stern rollers

Twin sharks jaws and twin tow pins

Superb machinery redundancy

The Vessel specifications are reviewed and new brochures printed at regular intervals. Every endeavour has been made to provide accurate information on this brochure; however, the vessel owners do not accept any liability for errors, omissions or misprints published.



Commercial and Operational Office

Office 1503, Fortune Executive Tower

Jumeirah Lake Towers (JLT), Cluster T

Dubai, United Arab Emirates

Tel: + 971 48 920 940

info@vortexoffshore.com

www.VortexOffshore.com

AHT - SUPPLY - DP2 - FIFI1

VORTEX VENTURE

10,760 BHP | 140 TBP

ANCHOR HANDLING & TOWING:

Line Pull:	350 T
Winch:	Triple Drum SMATCO
Main Tow Wire:	1000m x 64mm (max capacity 2976m x 76mm)
Second Tow Wire:	1200m x 76mm (max capacity 1524m x 76mm)
Work Wire P:	100 x 77mm (max capacity 1524m x 76mm)
Spare wire 1:	1000m x 64mm (max capacity 1500m x 76mm)
Spare wire 2:	1000m x 76mm (max capacity 1500m x 76mm)
Braking Capacity:	441 T (Remote control from aft control stand in wheelhouse)
Towing Pin:	2 x twin hydraulic operated type SWL 400T
Sharks Jaw:	2 x twin hydraulic operated type SWL 500T
Stern Roller:	Split Roller 2.5 m each Ø and 5 m length w/ SWL 500T

NAVIGATION/ COMMUNICATION:

2 x SART
1 Navtex
1 EPIRB
2 x Radars ARPA
1 Doppler speed log
2 Master Gyro's with 5 repeaters
1 Magnetic Compass
1 GPS
1 Echo sounder
1 Set of GMDSS radio station system for Area 3.
Including SSB, Inmarsat C, MF/HF, VHF with DSC etc.
3 x VHF GMDSS
Ship Security Alert System
1 x AIS
1 x Bridge Navigational Watch Alarm System
1 x VSAT Internet / Telephone System

ACCOMODATION:

Total:
42 Berths, Fully Air-Conditioned

6 x 1 berth cabins = 6
18 x 2 berth cabins = 36
1 x 2 berth cabins (hospital)

DISCHARGE RATES:

Fuel Oil:	2 x 200 m ³ /hr@90 m head
Fresh Water:	2 x 200 m ³ /hr@90 m head
Drill Water:	2 x 200 m ³ /hr@90 m head
Mud:	2 x 75 m ³ /hr@90 m head
Brine:	2 x 75 m ³ /hr@90 m head
Base Oil:	2 x 150 m ³ /hr@90 m head
Slop Disc:	1 x 5 m ³ /hr @ 45 m head
Dry Bulk:	2 x 75 T/hr

FIREFIGHTING - FIFI CLASS 1:

FiFi System:	with external drench system, full vessel
Fire Pump:	2 x 1600 m ³ / hr
Monitors:	2 x 1200 m ³ / hr (w/spray and remote control)

INTERNAL:

Emergency Fire Pump
CO² System in engine room, BT room, and ST room
Fire Detection & Alarm System throughout vessel
BA Recharging Compressor 75 ltr/min @ 200bar

SAFETY/LIFESAVING EQUIPMENT:

SOLAS Compliant
Rescue boat: 1 x 15 man FRC

DYNAMIC POSITIONING / JOYSTICK: DP2

DPS L3 NHS 6000
2 x DP Controller + Independent Joystick
2 x Wind Sensor
2 x Master Gyro
2 x DGPS
VMS System which includes Vessel Power Management

MISCELLANEOUS:

Rescue Zone:	Port & Std side
Oily Water Separator:	1 x 1 m ³ /hr MARPOL standard
Sewerage Treatment Plant:	1 x 42 men per day
Windlass:	9T @ 12 m/min for 40 mm Ø, Chain w/2 cable lifers, 2 warping drums & rope drum
Bow Anchors:	High-holding type anchors 2x 2640 kg
Chains:	467 m x 40 mm Ø Grade 3 stud link chain p & s
Tugger Winches:	2 x 10T @ 15m/mins
Capstans:	2 x 10T @ 15m/mins, 2 x Spray Booms
Deck Crane:	5T @ 15mtrs

The Vessel specifications are reviewed and new brochures printed at regular intervals. Every endeavour has been made to provide accurate information on this brochure; however, the vessel owners do not accept any liability for errors, omissions or misprints published.

