

AHT - SUPPLY - DP2 - FIFI1

# AHTS DP2 VORTEX VANGUARD

10,000 BHP | 128.8 TBP



## SPECIFICATIONS:

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

### GENERAL:

**Vessel Type:** Anchor Handling Tug Supply Vessel DP2  
**Built:** Remontowa, Poland  
**Flag:** Republic of Vanuatu  
**Classification:** LLOYD'S REGISTER  
**Class Notation:** ✕A1, ✕AMS, ✕DP (AA), Ⓢ, AH/Offshore Support & Towing Vessel, Fire Fighting Class 1

### DIMENSIONS:

**Length Overall:** 70.00 m  
**Beam (Moulded):** 15.50 m  
**Depth (Mould to sh.dk):** 6.60 m  
**Draft (Operational):** 4.5 m  
**Max Draft (Fully Loaded):** 5.1 m  
**GRT:** 2301 T  
**NRT:** 690 T  
**Deadweight @5.1 m:** 2058 T

### CAPACITIES:

**Clear Deck Space:** 440 m<sup>2</sup>  
**Deck Load:** 1000 T  
**Fuel Oil:** 828 m<sup>3</sup> @100%  
**Potable Water:** 608 m<sup>3</sup> @100%  
**Drill Water:** 656 m<sup>3</sup> @100%  
**Mud:** 480 m<sup>3</sup> @100%  
**Liquid Mud:** 480 m<sup>3</sup> @ 100%  
**Drilling Fluid:** 990 m<sup>3</sup> @100%  
**Dry Bulk:** 190 m<sup>3</sup> @100%

### MACHINERY:

**Main Engines:** 2 x 3,800 kW  
**Shaft Alternators:** 2 x 1,724 kW  
**Generators:** 2 x 250 kW  
**Emergency Gen:** 1 x 105 kW  
**Bow Thrusters:** 2 x 800 BHP (Tunnel)  
**Stern Thrusters:** 1 x 800 BHP (Tunnel)  
**Rudders:** 2 x Fish tail high lift  
**Propellers:** 4 bladed prop in Nozzles

### DISCHARGE RATES:

**Fuel:** 650 GPM @ 86PSI TDH (60 Mts)  
**Pot Water:** 1 x 150 m<sup>3</sup>/hr @ 90 mhd  
**Drill Water:** 1 x 150 m<sup>3</sup>/hr @ 90 mhd  
**Mud:** 1 x 150 m<sup>3</sup>/hr @ 67 mhd  
**Brine:** 1 x 75 m<sup>3</sup>/hr @ 90 mhd  
**Base Oil:** 1 x 150 m<sup>3</sup>/hr @ 90 mhd  
**Slop Disc.:** 1 x 5 m<sup>3</sup>/hr @ 45 mhd  
**Dry Bulk:** 1 x 110 m<sup>3</sup>/hr @ 5.5 Ba

### PERFORMANCE:

**Bollard Pull:** 128.8 T  
**Speed:** 14 Kts @ 5.0 M draft



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## ANCHOR HANDLING & TOWING:

Double Drum A/H Towing Winch,  
Fukushima DDWG-300H-4M  
Brake Holding 450 Tonnes

Winch Pull: 350T @ 6m/min  
197 T @ 10.m/min  
129 T @ 16.3m/min

Towing drum Capacity: 1500 m X 76 mm  
Anchoring Handling Capacity: 1,500 m of 76 mm  
Gypsies: 2 x 3.25 inch (76mm Chain)

Karm Forks: 2 x SWL 300 T

Towing pins: 4 x SWL 160 T

Stern Roller: 2.5 m Ø x 4 m

SWL: 500 T

Chain Lockers: 2 x 80 m3

Tugger Winches: 2 x 10 T

## NAVIGATION/ COMMUNICATION:

SSB Radio 400 w duplex Radiotelephone MF/HF radio telephone

Inmarsat C

VHF radio tel C/W DSC watch-receiver

AIS

Navtex

Radar Transponder - SART

EPIRB

Magnetic Compass

Ship Security System

2 x Radar X Band ARPA

Doppler Speed Log

GPS Navigator

Echo Sounder

## ACCOMODATION:

Total:

28 Berths, Fully Air-Conditioned

2 x 1 berth cabins = 2

9 x 2 berth cabins = 18

2 x 4 berth cabins = 8

1 X 1 hospital = 1

## FIREFIGHTING - FIFI CLASS 1:

2 x 1,500 m3 / hr @ 14 Bar

2 x 1,200 m3 / hr remote controlled Fire Monitors Throw 120 m x Height 50 m

## CRANES:

1 x 2T @ 10m

## STORAGE DRUM:

Capacity: 1,000 m of 64 mm

## VESSEL MANAGEMENT DP AND JOYSTICK:

(CLASS NOTATION DP (AA), FMEA)

L3 DP system

2 x DP Controller

2 x Wind Sensor

2 x Master Gyro

2 X DGPS

1 X Cyscan

1 x mini Rada Scan

Joystick for control of all the thrusters and propellers

Powers management System

VRS

## EXTRA EQUIPMENT:

Rescue Zone: Port & Stbd side

Oily Water Separator: 1 m<sup>3</sup>/hr MARPOL standard

Sewerage Treatment Plant: 29 men capacity