

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 m²
Deck Load: 1000 T
Fuel Oil: 828 m³ @100%
Potable Water: 608 m³ @100%
Drill Water: 656 m³ @100%
Mud: 480 m³ @100%
Liquid Mud: 480 m³ @ 100%
Drilling Fluid: 990 m³ @100%
Dry Bulk: 190 m³ @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 m³/hr @ 90 mhd
Drill Water: 1 x 150 m³/hr @ 90 mhd
Mud: 1 x 150 m³/hr @ 67 mhd
Brine: 1 x 75 m³/hr @ 90 mhd
Base Oil: 1 x 150 m³/hr @ 90 mhd
Slop Disc.: 1 x 5 m³/hr @ 45 mhd
Dry Bulk: 1 x 110 m³/hr @ 5.5 Ba

PERFORMANCE:

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

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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 m³/hr MARPOL standard**Sewerage Treatment Plant:** 29 men capacity