

AHT - SUPPLY - DP2 - FIFI1

AHTS DP2 VORTEX VANGUARD

10,336 BHP | 128 TBP



SPECIFICATIONS:

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

GENERAL:

Vessel Type: Anchor Handling Tug Supply Vessel DP2
Built: 2010, Remontowa, Poland
Flag: Republic of Vanuatu
Classification: ABS
Class Notation: ✱A1, ✱AMS, ✱DPS-2, (E), AH/Offshore Support & Towing Vessel, Fire Fighting Class 1

DIMENSIONS:

Length Overall: 70.00 m
Beam (Moulded): 15.50 m
Depth: 6.60 m
 (Mould to sh.dk)
Draft (Max): 5.112 m
GRT: 2301 T
NRT: 690 T
Deadweight: 2058 T
 @ 5.112 m

CAPACITIES:

Clear Deck Space: 415 m²
Deck Load: 1000 T
Fuel Oil: 828 Cum @100%
Potable Water: 608 Cum @100%
Drill Water: 656 Cum @100%
Mud: 480 Cum @100%
Liquid Mud: 480 m³ @ 100%
Drilling Fluid: 990 Cum @100%
Dry Bulk: 190 Cum @100%³

MACHINERY:

Main Engines: 2 x 5,168 Total: 10,336 BHP
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 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: 1,500 m of 76 mm

VESSEL MANAGEMENT DP AND JOYSTICK:

(ABS NOTATION DPS-2, FMEA)

L3 DP system
2 x DP Controller
2 x Wind Sensor
2 x Master Gyro
2 X DGPS
1 X Cyscan
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: 1 x 29 men per day