

AHT - SUPPLY - DP2 - FIFI1

# AHTS DP2 VALIANT VORTEX

**12,000 BHP | 162 TBP**



## SPECIFICATIONS:

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

### GENERAL:

**Vessel Type:** Anchor Handling Tug Supply Vessel DP2  
**Built:** 2009, Japan  
**Flag:** Liberia  
**Classification:** LR  
**Class Notation:** ✱A1, (E), Offshore Support Vsl, AH, Towing Vessel, Fire Fighting Vsl Class 1, ✱DPS-2, ACCU, ✱AMS

### DIMENSIONS:

**Length Overall:** 68.00 m  
**Length Waterline:** 60.00 m  
**Beam (Moulded):** 16.40 m  
**Depth (Moulded):** 7.20 m  
**Operating Draft:** 5.20 m  
**Draft fully loaded (Max):** 6.00 m  
**GRT:** 2430 T  
**NRT:** 782 T  
**Deadweight:** 2503 T

### CAPACITIES:

**Deck Strength:** 10 & 5 T/m<sup>2</sup>  
**Deck Cargo:** 1000 T  
**Clear Deck Area:** 440.00 m<sup>2</sup>  
**Fuel Oil:** 990.00 m<sup>3</sup>  
**Fresh Water:** 537.81 m<sup>3</sup>  
**Ballast/Drill Water:** 406.95 m<sup>3</sup>  
**Liquid Mud:** 423.12 m<sup>3</sup>  
**Bulk Cement:** 250.00 m<sup>3</sup>  
**Freezer:** 10.0 m<sup>3</sup>  
**Foam/Detergent:** 25.01 m<sup>3</sup>  
**Chiller:** 8.8 m<sup>3</sup>  
**Rig Chain Locker:** 2 x 76.62 m<sup>3</sup>  
**Brine:** 2 x 130.56 m<sup>3</sup>

### MACHINERY:

**Main Engines:** 2 x 4500 kW, Wartsilla 9L32  
**Main Generators:** 2 x 320kW diesel driven.Caterpillar 3406 440 V, 3 Phase, 60 Hz  
**Shaft Alternator:** Leroy Somer, 2 x 1800 Kw, Ack DSG86 MI -4W  
**Emergency Generator:** 1 x 72 Kw@450v, 60Hz  
**Bow Thruster:** 2 x800 kw, Wartsila CTI 75M-D  
**Stern Thruster:** 1 x800 kw, Wartsila CTI 75M-D, 1 x 500Kw Wartsila  
**Steering Gear:** 2 x Rolls Royce  
**Propulsion:** 2 x 4 bladed CPP, in Kort Nozzle  
**Rudders:** 2 x Rolls Royce Ulstien Hinze

### PERFORMANCE:

**Bollard Pull:** 162 T  
**Speed(max):** 14 Kts  
**Speed(econ):** 11 Kts  
**Type of Fuel:** Marine Gas Oil

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Anchor Windlass:	1 x electro hydraulic Fukushima F3842II-W216
Anchor & Chain:	2 x AC 14 High Holding Power Anchors
Capstan:	2 x IOT@19 m/min electro Hydraulic
Tugger Winch:	2 x 12 T@24 m/min electro Hydraulic, Fukushima
Deck Crane:	1 x 5Ton@12m
Shark Jaw:	2 x 300 T SWL, Karm Fork
Towing Pin:	1 x 160T SWL, Hydraulically Operated
Towing Bollard:	1 set, Double Bit Cruciform Towing, 160 T SWL
Stern Roller:	450 T SWL (L=4.0 M, Dia: 2.0 M)
Towing / AH Winch:	Double Drum Water Fall, Electro Hydraulic Fukushima HCAS-10/450
Upper Drum (Tow):	2500 m x 76mm dia
Lower Drum Cap(AH):	2500 m x 76mm dia
Line Pull:	300T@10.2m/min (1st Layer)
Brake Holding Capacity	450 t 104T at 29.7 m/min
Storage Reel:	1500 m x 76 mm Dia (Auto Spooling on both drums capable of being controlled)

**NAVIGATION/ COMMUNICATION:**

GMDSS:	Area A3
Inmarsat C:	JRC
VHF Radio:	JRC, 2 x 25 watt RF, 156.525 MHz
Navtex Receiver:	JRC, JQX30A
Radar J:	RC NCR-333
Echo sounder:	1 x JRC JFE-582
PA & Telephone System:	24 Position
AIS:	JRC, Model:JHS-1821
Doppler Speed Log:	JRC, JLN-20 5, 1
Weather Fax Receiver:	JRC, JAX 9A
Auto Pilot:	NAVIS-Compatible with Gyro & Steering
Dynamic Positioning:	Converteam ADP21
SSAS:	JRC, Model: JUE-95, SA
EPIRB:	Provided
SART:	Provided

Vessel also fitted with PA Talkback System and Self Powered Telephone

**ACCOMODATION:**

**Total:**  
30 Berths, Fully Air-Conditioned & c/w attached washroom

6 x 1 berth cabins = 6  
6 x 2 berth cabins = 12  
3 x 4 berth cabins = 12  
1 X 1 hospital = 1

**DISCHARGE RATES:**

Fuel Oil:	1 x 150 m <sup>3</sup> /hr@90 m head
Fresh Water:	1 x 150 m <sup>3</sup> /hr@90 m head
Drill Water:	1 x 150 m <sup>3</sup> /hr@90 m head
Liquid Mud:	2 x 75 m <sup>3</sup> /hr@180 m head
Bulk Cement Compressor:	2 x 20 m <sup>3</sup> /hr@0.59 Mpa
Base Oil Pump:	1 x 75 m <sup>3</sup> /hr@180m head
Brine Pump:	1 x 75 m <sup>3</sup> /hr@180m head

**FIREFIGHTING - FIFI CLASS 1:**

FiFi System:	Class 1 with water curtain all round
Fire Pump:	2 x 1500 m <sup>3</sup> /hr@14 bar
Monitors:	2 x fire monitors
water/foam:	1 x 1200 m <sup>3</sup> /hr
water:	1 x 1200 m <sup>3</sup> /hr,
Oil Dispersant System:	8 m spray boom with Oil Dispersent Pump
Fire Detection System:	UNITOR

**INTERNAL:**

Emergency Fire Pump 1 x 30 m<sup>3</sup>/hr x 60m head  
CO2 System in engine Room  
Fire Detection & Alarm in living Spaces and Engine Room

**MISCELLANEOUS:**

Life rafts:	6 x 16 men, SOLAS Standard
Rescue boat:	1 x 15 men
Oily Water Separator:	1 x 1.0 m <sup>3</sup> /hr
Water Maker:	1xIOT/day
Sewage Treatment Plant:	1 x 40 men/day (2400 L)
Oil Dispersant System:	2 x 6m length spray boom Pump:1 x 11 m <sup>3</sup>