



AHT | SUPPLY | OIL RECOVERY | SAFETY STAND BY DUTY

AHTS DP2 6516

6509 BHP | 88 TBP



SPECIFICATIONS:

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

GENERAL:

Year Built: 2015, Fujian South East Ship Yard
 Flag: Liberia
 Port of Registry: Liberia
 Class: ABS
 Notation: ABS*A1(E) Offshore Support Vessel, AH, Towing - SPS, FiFi Class 1, Oil Recovery Capability Class 1 *AMS, DPS-2

DIMENSIONS:

Length Overall: 65.00 m
 Length BP: 58.50 m
 Beam Moulded: 16.00 m
 Depth Moulded: 6.20 m
 Loaded Draft: 5.20 m
 GRT: 2,267 T
 NRT: 680 T

CAPACITY:

Fuel Oil: 580 m³ (approx)
 Fresh Water: 440 m³ (approx)
 Ballast/Drill Water: 700 m³ (approx)
 Mud/Brine/R.O.: 460 m³ (approx)
 Cement: 150 m³ (approx)
 Freezer/Chiller: 10 m³ / 10m³
 Foam/Detergent: 10 m³ / 10m³
 Clear Deck Area: 435 m² (approx)
 Deadweight: 1930.28 Ton (approx)
 Deck Cargo: 600 mt (approx)
 Deck Strength: 7 Ton/m² uniform loading

MACHINERY & PROPULSION:

Main Engines: 2 x2427kW (Niigata 8M628HX) @ 750 RPM
 Bow Thruster: 2 x 11.9 Ton Thruster, approx 800kW, CPP (Kawasaki Heavy Industry)
 Stern Thruster: 1 x 8 Ton Thruster, approx 515kW(Kawasaki Heavy Industry)
 CPP: Berg
 Rudders: Independent RIQ , 2 x 6 MT KINGS Type

POWER GENERATION:

Main Generators: 3 X 450kW diesel driven, 415V/3Ph/50Hz (CAT)
 Shaft Generator: 2 x 1200kW
 Emergency Generator: 1 x 99kW, (Cummins)

PUMPS:

Fuel Oil: 1 x 150 m³/hr @ 70 m head
 Fresh Water: 1 x 100 m³/hr @ 70 m head
 SWB/Drill Water: 1 x 100 m³/hr @ 70 m head
 Liquid Mud/Brine/R.O.: 2 x 100 m³/hr @ 70 m head
 Bilge/Ballast/GS/Fire: 2 x 100 m³/hr @ 70 m head
 Bilge: 2 x 45 m³/hr @ 30 m head
 Bulk Cement Compressor: 2 x 13 m³/min @ 80psi

PERFORMANCE:

Bollard Pull: 104 Tons max/sustained - 88.8 Tons
 Max. Speed: 13.64 Knots @ 100% MCR
 Cruising Speed: 13.32 Knots @ 85% MCR
 Economical Speed: 12.2 Knots @ 60% MCR
 Type of Fuel: Marine Gas Oil
 Fuel Consumption: 30.14 m³/24 hours (max)
 15.74 m³/24 hours (cruising)
 10 m³/24 hours (econ)

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.



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DECK EQUIPMENT:

Anchor Windlass:	2 x 10 Tons @ 12.5 m/min electro hydrau McGregor
Drum:	2 x Drums
Gypsies:	suitable for 38mm dia U2 chain
Bow Anchors:	2 x 1890 kg HHP stockless anchor
Chains:	2 x 330 m (L) x 38mm dia, Grade 3a
Capstan:	2 x 10 Tons @ 15m/min electro hydraulic
Tugger Winch:	2 x 10 T @ 15m/min electro hydraulic
Drum capacity:	250 m x 22 mm dia
Deck Crane:	1 x 2 Ton @ 15m (Taxin Haunan)
Towing/AH Winch:	1 xElec. Hyd., double drum waterfall McGregor
Upper Drum(Tow):	60 mm dia x 1140m
Lower Drum Cap(AH):	60 mm dia x 500m
Line Pull:	150 Ton @ 6m/min (1st layer)
Static Brake:	250 Ton
Stern Roller:	4.40m (L) x 1.70 m (dia); SWL 250 mt
Lock Jaws (Karmfork):	1 x Hydraulic 400 SWL Karmoy
Tow Pin:	2 x Hydraulic 160 SWL karmoy
Storage Reel:	1 x 6 Ton @ 20 m/min McGregor

ACCOMMODATION:

Berth / Cabin:	6 x 1 berth cabin = 6	
	6 x 2 berth cabin = 12	
	8 x 4 berth cabin = 32	TOTAL 50

Hospital: 2 x 1 berth cabin = 2
All cabins fully air-conditioned & c/w attached washroom

MISCELLANEOUS:

Oily Water Separator:	1 x 1.0 m ³ /hr, Ocean clean/Boss
Sewage Treatment:	1 x 50 men/day, Taixing/Taiko
Water Maker:	1 x 10 T/day, Sea recovery/Peter Taboada

NAVIGATION/ COMMUNICATION:

GMDSS Area A1 + A2 + A3, consist of :	
Inmarsat C:	1 x Furuno Felcom-18
VHF Radio:	2 x Furuno FM-8900S
Navtex Receiver:	1 x Furuno NX-700
SART:	2 x McMurdo S4
EPIRB:	1 x McMurdo E5
Portable VHF Radios:	3 x McMurdo R5
Radar:	2 x Furuno FAR2117
Echo Sounder:	1 x Furuno FE-700 with RD-22
GPS:	1 x Furuno GP-150
Gyrocompass:	3 x Anschutz Standard 22
Autopilot:	1 x Anschutz PilotStar D
Magnetic Compass:	1 x Liliy-Gillie MK2000
Weather Fax:	1 x Furuno FAX-408
Speed Log:	2 x Furuno DS-80/DS-60 with RD-33
Wind Indicator:	3 x Kongsberg
AIS:	1 x Furuno FA-150
BNWAS:	1 x Steinsohn
Fleet Broadband:	1 x Furuno w/ Panasonic Fax Machine
DP:	DP 2 System Kongsberg(K-Pos 21)
Joystick:	1 x Kongsberg Portable Control Station
Vessel also fitted with PA Talkback System & Self-powered Telephone	
ECDIS:	1 x Furuno FMD-3200-BB

VESSEL SAFETY EQUIPMENT:

Life Raft:	6 x 25, SOLAS standard, ChinaMake
Rescue Boat:	1 x 15 persons FRC
	1 x 6 persons Rescue boat

EXTERNAL FIRE FIGHTING & ANTI-POLLUTION EQUIPMENT:

FIFI Class (1) with water curtain all around	
Pump:	2 x 1700 m ³ /hr @ 125m head
Monitors:	driven by front PTO ME
Water/foam:	2 x fire monitors
Oil Dispersant System:	2 x Cluster nozzles or overhang boom
Emergency Fire Pump:	1 x 45 m ³ /hr x 60m head
BA Recharging Comp:	1 x 75 ltr/min @ 200 bar
CO2 System in Engine Room, Fire Alarms & Monitors	