

AHTS - 80 T BP, DP II, FIFI-1



Class Notation	ABS: +A1, Towing Vessel, Fire Fighting Vessel Class 1, (E), Offshore Support Vessel, +AMS, +ACCU, +DPS-2, GP
Place of build	TBD
Year of Build	June 2009
Flag	TBD

Main Particulars

Design	TBD
LOA	63 m
Length PP	55.95 m
Breadth Moulded	15 m
Depth Moulded	6.1 m
Max. Loaded Draft	5.2 m

Performance

Trial Speed	14 knots
Bollard Pull	Minimum 80 tons

Capacities

Deadweight	1643 tons
Net Tonnage	549 tons
Gross Tonnage	1830 tons
Deck Cargo	600 tons
Cargo Deck Dimensions	33 m x 12.15 m
Deck Area	400 m ²
Deck Strength	7.5 t/ m ²
Dry Bulk Capacities	170 m ³ in 4 Tanks
Potable/Fresh Water	450 m ³
Drill Water / Ballast Water	353 m ³
Oil based Mud	408 m ³ in 4 Tanks
Brine	same as liquid mud
Fuel Oil	600 m ³
Fresh Water Generator	10 tons/day

Deck Equipment

Capstans	(2 nos) 5 ton @ 0-19 m/min
Tugger Winches	(2 nos) 12 ton pull @ 0-24 m/min
Deck Crane	1 x 3 tons, 15 m outreach

Anchoring Equipment

Windlass	1 x Anchor / Mooring winch with two declutchable cable lifters and warping ends
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Discharge

Dry Bulk	2 x 20 m ³ / min. at 5.6 bar
Fresh Water	1 x 125 m ³ / hr at 7.5 bar
Ballast / Drill water	1 x 125 m ³ / hr at 7.5 bar
Liquid Mud / Brine	2 x 100m ³ / hr at 80m head
Fuel Oil	1 x 125 m ³ / hr at 7.5 bar

Propulsion and Machinery

Main Engines : kW	2 x 2640kW Total 5280 kW
Main Engines : Type	MaK 8 M 25
Propellers	2 x CPP in kort nozzles

Thruster

Bow 1	400 kW (6 tons), tunnel thruster
Bow 2	400 kW (6 tons), tunnel thruster
Stern 1	400 kW (6 tons), tunnel thruster

Aux Engines

Shaft Generators	2 x 1200 kW (1280 kVA)
Diesel Generator	2 x 370 kW
Emergency Generators	1 x 94 kW (117 kVA)
Supply System - Voltage	440 V, 60 Hz

Accommodation

For Officers and Crew	18
1 Man Cabins	4
2 Man Cabin	4
3 Man Cabin	2
For Passengers	12
2 Man Cabin	2
4 Man Cabins	2
Hospital	1
Total Accommodation	30 Berths, fully Airconditioned

Towing and Anchor Handling Winch

AHT Winch	Double Drum waterfall type, RR Bratvaag
Line Pull	200 tons
Brake Holding	250 tons
Towing Drum	1000 m x 58 mm wire
Anchor Handling Drum	1000 m x 58 mm wire
Speed	0-8.0 m/min - 200 tons, 1st Layer 0-40 m/min - 30 tons
Shark Jaw	For wire with MBL up to 300 tons
Towing Pin	For bollard pull up to 160 tons
Spare Wire Reel	1000 mm x 58 mm wire
Stern Roller	200 tons SWL. Length - 5.0 m

The vessel specifications are subject to modifications and may change without prior notice.