

GREATSHIP ABHA

MOSS 501 AHTSV - 80 T BP, DP II, FIFI-1



Class Notation	LR: +100 A1 Offshore Tug/Supply Ship, Fire Fighter Ship1(2400m ³ /hr) with water spray, DP(AA) + LMC UMS, IWS
Place of build	Colombo, Sri Lanka
Year of build	Feb 2009
Flag	Singapore
IMO	9457244

Main Particulars

Design	Moss 501 AHTS
LOA	64.35 m
Length PP	58.40 m
Breadth Moulded	15 m
Depth Moulded	6 m
Max. Loaded Draft	5.15 m

Performance

Trial Speed	13 knots
Bollard Pull	Continuous 85 tons

Capacities

Deadweight	Approx. 2050 tons
Net Tonnage	479 tons
Gross Tonnage	1596 tons
Deck Cargo	900 tons
Cargo Deck Dimensions	36 m x 12 m
Deck Area	430 m ²
Deck Strength	5 t/m ² (7.5t/m ² aft of Frame 20)
Dry Bulk Capacities	180 m ³ in 4 Tanks
Potable/Fresh Water	330 m ³
Drill Water / Ballast Water	340 m ³
Oil based Mud	310 m ³ in 6 Tanks
Brine	Same as liquid mud
Base Oil	Not available
Fuel Oil	894 m ³
Methanol	Not available
Freezer Room	Available
Cooler Room	Available
Fresh Water Generator	10 tons/day

Deck Equipment

Capstans	2 x 10 tons @ 0 ~ 20m/min.
Tugger Winches	2 x 15 tons @ 0 ~ 21m/min.
Deck Crane	1 x 6 tons, 9.4m reach, Knuckle jib
Fast Rescue Craft	1 x 15 Man, with launching davit

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 23 m ³ / min. at 5.6 bar
Fresh Water	1 x 200 m ³ / hr at 7 bar
Ballast / Drill water	1 x 150 m ³ / hr at 7 bar
Liquid Mud / Brine	1 x 75 m ³ / hr at 18 bar
Base Oil	Not available
Fuel Oil	1 x 200 m ³ / hr at 7 bar
Methanol	Not available

Propulsion and Machinery

Main Engines : KW	2 x 2640 kW (3590 BHP) Total 5280 kW (7180 BHP)
Main Engines : Make/Type	MaK 8 M 25, Diesel Engines
Propellers	2 x CPP in kort nozzles

Thruster

Bow 1	515 kW tunnel thruster
Bow 2	515 kW tunnel thruster
Stern 1	515 kW tunnel thruster
Stern 2	Not available

Aux Engines

Shaft Generators	2 x 1200 kW (1500 kVA)
Diesel Generator	2 x 350 kW (438 kVA)
Emergency Generators	1 x 90 kW (112 kVA)
Supply System - Voltage	440 V, 60 Hz

Accommodation

For Officers and Crew	14
1 Man Cabins	4
2 Man Cabin	5
For Passengers	12
4 Man Cabins	3
Hospital	1 Man
Total Accommodation	26 Berths, fully Air-conditioned

Towing and Anchor Handling Winch

AHT Winch	Double Drum waterfall type
Line Pull	150 tons
Brake Holding	250 tons
Towing Drum	1200 m x 56 mm wire
Anchor Handling Drum	1200 m x 56 mm wire
Speed	0-7.0 m/min - 150 tons 1st layer 0-28 m/min - 30 tons
Shark Jaw	300 tons
Towing Pin	Suitbale for 160 ton Bollard Pull
Spare Wire Reel	1200 mm x 64 mm wire
Stern Roller	300 tons

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