

# GREATSHIP AMRITA

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



Class Notation	DNV : +1A1 Tug, SF, Dynpos AUTR, Fire Fighter 1, EO, Supply Vessel, BIS, TMON
Place of build	Colombo, Sri Lanka
Year of Build	April 2008
Flag	Indian
IMO	9408437

### 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	Cont. 86.4 tons

### Capacities

Deadweight	2200 tons
Net Tonnage	479 tons
Gross Tonnage	1596 tons
Deck Cargo	900 tons
Cargo Deck Dimensions	36 m x 12 m
Deck Area	432 m <sup>2</sup>
Deck Strength	5 t/m <sup>2</sup> (7.5t/m <sup>2</sup> aft of Frame 20)
Dry Bulk Capacities	180 m <sup>3</sup> in 4 Tanks
Potable/Fresh Water	330 m <sup>3</sup>
Drill Water / Ballast Water	340 m <sup>3</sup>
Oil based Mud	310 m <sup>3</sup> in 6 Tanks
Brine	Same as liquid mud
Base Oil	Not available
Fuel Oil	894 m <sup>3</sup>
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 <sup>3</sup> / min. at 5.6 bar
Fresh Water	1 x 200 m <sup>3</sup> / hr at 7 bar
Ballast / Drill water	1 x 150 m <sup>3</sup> / hr at 7 bar
Liquid Mud / Brine	1 x 75 m <sup>3</sup> / hr at 18 bar
Base Oil	Not available
Fuel Oil	1 x 200 m <sup>3</sup> / 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.*

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