

GREATSHIP AARTI

KCM/Q441(D) 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	Batam, Indonesia
Year of Build	Aug 2009
Flag	Indian
IMO	9443968

Main Particulars

Design	KCM/Q441(D)
LOA	63 m
Length PP	55.80 m
Breadth Moulded	15 m
Depth Moulded	6.1 m
Max. Loaded Draft	5.2 m

Performance

Trial Speed	13.5 knots
Bollard Pull	Minimum 80 tons

Capacities

Deadweight	1600 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	420 m ³
Oil based Mud	410 m ³ in 4 Tanks
Brine	same as liquid mud
Base Oil	Not available
Fuel Oil	600 m ³
Methanol	Not available
Freezer Room	available
Cooler Room	available
Fresh Water Generator	10 tons/day

Deck Equipment

Capstans	2 x 5 tons @ 0 ~ 15m/min.
Tugger Winches	2 x 10 tons @ 0 ~ 10m/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 100 m ³ / hr at 17.5 bar
Base Oil	Not available
Fuel Oil	1 x 125 m ³ / hr at 7.5 bar
Methanol	Not available

Propulsion and Machinery

Main Engines : KW	2 x 2611KW (3500 BHP) Total 5211 kW (7000 BHP)
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
Stern 2	Not available

Aux Engines

Shaft Generators	2 x 1200 kW (1280 kVA)
Diesel Generator	2 x 370 kW (463 kVA)
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 Air-conditioned

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	200 tons, Karmoy
Towing Pin	200 tons (side load)
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.

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