



M.V. OFFSHORE WARRIOR

AHTS / FIFI 1 / 12,240 BHP / DP 2



REGISTRATION

Owner:	Raj Shipping Agencies Ltd.
Year Built:	2006
Builder:	Pan-United Marine, Singapore
Flag:	India
IMO Number:	9315109
Class:	Lloyd's Register of Shipping
Classification:	<ul style="list-style-type: none"> LMC, Offshore Supply Ship, Fire-Fighting Ship 1 (2400 cu.m/hr) with water spray, LMC, DP(AA), Anchor Handling

MAIN CHARACTERISTICS

LOA:	70.7 m
Length BP:	63.0 m
Breadth (molded):	16.0 m
Depth (molded):	7.2 m
Draft (max):	6.2 m
Deadweight:	2,464 T
GRT:	2,569 T
NRT:	770 T

PERFORMANCE

Maximum Speed:	24.5 m ³ /day (270 gph) @ 13.5 knots
Cruising Speed:	10.5 m ³ /day (120 gph) @ 10 knots
Economical Speed:	7.6 m ³ /day (85.7 gph) @ 8 knots
Standby:	1.9 m ³ /day (21 gph) @ 0 knots
Range @ 10 Knots:	13,000 nm
Bollard Pull:	160 T (92.6 st / 84 mt)

CARGO CAPACITY

Deck Area:	500.0 m ² (5 T/m ²)
Deck Strength:	5.5 T/m ²
Deck Cargo Capacity:	800 T
Fuel Oil:	960.0 m ³
Potable Water:	660.0 m ³
Drill Water / SWB:	650.0 m ³ (include Chain Locker)
Liquid Mud / Base Oil / Brine:	510.0 m ³ (2 Tanks)
Dry Bulk:	286.0 m ³ (4 × 2,500 ft ³)
Chain Locker:	220.2 m ³
Foam / Dispersant:	11.7 m ³ / 12.2 m ³

DISCHARGE RATES

Fuel Oil:	1 × 120 m ³ /hr @ 80 m head
Potable Water:	1 × 120 m ³ /hr @ 80 m head
Drill Water:	1 × 120 m ³ /hr @ 80 m head

MACHINERY

Main Engines	2 × MAK 9M32C, 6,120 BHP each
Total BHP	12,240 BHP
Propeller:	2 × CPP, Kamewa 94 P1/P4T, 4-Blade
Retractable Azimuth Thruster	1 × Aquamaster UL901/4220, 725 KW, 15.0 T Thrust
Bow Thruster:	1 × 590 kW, 9.4 T Thrust
Stern Thruster:	1 × 590 kW, 9.4 T Thrust
Bollard Pull:	160 T @ 100% MCR

DYNAMIC POSITIONING SYSTEM

DP-2 System:	Alstom Duplex DP System
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ELECTRIC POWER GENERATION

Main Generator:	2 × CAT 3412 rated 580kW/ 440V/ 60Hz/ 3Ph
Alternators:	2 × AEM SE 500 M4 rated 1,800kW/ 440V/ 60Hz/ 3Ph
Emergency Generator:	1 × CAT 3.56DIT rated 99kW/ 440V/ 60Hz/ 3Ph

TOWING & ANCHOR HANDLING EQUIPMENT

AH Winch:	500 T Brake, 380 T Pull Brattvaag Double Drum Hydraulic Driven, Waterfall Type
Drum Capacity:	3,500 m × 76 mm (∅)
Chain Gypsy:	1 × 76 mm (∅), Non-Declutchable
Towing Winch:	500 T Brake, 380 T Pull Brattvaag Double Drum Hydraulic Driven, Waterfall Type
Drum Capacity:	3,500 m × 76 mm (∅)
Storage Reel Drum Capacity:	3,500 m × 76 mm (∅)
Secondary Drum Capacity:	3,500 m × 76 mm (∅)
Karm Fork:	2 × Karm Fork, SWL: 650 T
Tow Pin:	2 × Tow Pin, SWL: 660 T
Stern Roller:	5.0 m × 2.5 m (∅), SWL: 500 T

NAVIGATION & COMMUNICATION EQUIPMENT

GMDSS (Area A1):	1 × Furuno RC-1800T
VHF DSC:	1 × Furuno FM-8500 1 × FM-8900
MF/HF Radio:	1 × Furuno FS-2570
MF/HF DSC:	1 × Furuno FS-2570
EPIRB:	1 × McMurdo E5 Smartfind
SART:	2 × SevenStar Electronics S-701
Navtex:	1 × Furuno NX-500
Portable GMDSS VHF:	3 × McMurdo R2



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Liquid Mud / Base Oil / Brine: 2 × 100 m³/hr @ 80 m head
Dry Bulk: 2 × 25.6 m³/min @ 5.6 bar

ACCOMMODATION

Berth / Cabin: 6 × 1 man
9 × 2 man
3 × 4 man
Total: 36 men

Inmarsat: 2 × Furuno Felcom 15
Radar: 1 × Furuno FR-1505 MK3
1 × Furuno FR-2115
Gyro Compass: 3 × Raytheon Anschutz STD 22
Magnetic Compass: 1 × Cassens & Plath Reflexa 1
Auto-Pilot: 1 × Raytheon Anschutz PilotStar D
DGPS: 2 × Furuno GP-90
Joystick: Alstom NAP - Fitted
Echo Sounder: 1 × Furuno FE-700
Speed Log: 1 × Furuno DS-80
Anemometer: 2 × RM Young
AIS: 1 × Furuno FA-100

FIREFIGHTING & ANTI-POLLUTION EQUIPMENT

FiFi Class (1): With Water Spray
Pumps: 1 × 3,200 m³/hr @ 140 m head
Monitor (water / foam): 2 × 1,200 m³/hr / 300 m³/hr @ 12 bar
Oil Dispersant System: 2 × 6 m Spray Boom

SAFETY EQUIPMENT

Life Rafts: 6 × 20 persons, Surviva
Rescue Boat: 1 × 6 persons, Norsafe 655 Maiko Inboard Diesel with Waterjet
Davit: NDM PRHE 35, SWL: 3.5 T

DECK EQUIPMENT

Anchor: 1 × 18 T, Brattvaag
Windlass:
Anchor (Bow): 2 × 440 m × 42mm (Ø)
Chain:
Anchor (Bow): 3 × 2,280 kg Stockless Bower Anchors
Tugger Winch: 2 × 25 T @ 17 m/min, Brattvaag
Capstans: 2 × 10 T @ 19 m/min, Brattvaag
Deck Crane: 1 × TTS Marine, GPT 150-10-15, SWL: 10 T @ 8 m, 5 T @ 15 m

MISCELLANEOUS

Oily Water Separator: 1 × HELI-SEP, 1000OGD, 1.0 m³/hr
Sewage Treatment: 1 × 40 persons, Hamworthy Super Trident ST3A



ADDITIONAL NOTES / REMARKS

Anchor Handling Tug & Supply Vessel built for worldwide operations to service and tow drilling units, provide logistics support for oil & gas production platforms, with special equipments for fire-fighting, safety standby operations, emergency evacuations and seismic services. Bollard pull 160T with DP-2 Alstom Duplex system and FiFi Class 1 firefighting capability.

Particulars given here are believed to be correct but not guaranteed. Owners reserve the rights to amend the specifications without notification.