

63M 6400 BHP AHTS DP-2

MAIN PARTICULARS

LENGTH OVERALL	63.00 m	207.00 ft
LENGTH BP	55.80 m	183.00 ft
BEAM	14.00 m	46.00 ft
DEPTH	6.60 m	21.65 ft
LOADED DRAFT	5.50 m	18.04 ft
SUMMER FREEBOARD	1.11m	3.65 ft

LIGHTSHIP	1,949.18 Mt	1,918.40 Lt
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CAPACITIES

LIQUID MUD	338.00 m ³	2,126.00 BBLs
FUEL OIL	747.00 m ³	197,336.48 USG
BRINE	357.00 m ³	237,755.00 USG
BASE OIL	145.00 m ³	38,305.00 USG
DRILL WATER	357.00 m ³	94,309.40 USG
DRY BULK	169.90 m ³	6,000.00 ft ³
POTATBLE WATER	330.00 m ³	87,177.00 USG
FRESH WATER MAKER	Technicomar MD 2000	5.5 Ton/Day
FOAM	14.50 m ³	3,830.50 USG
DISPERSANT	14.50 m ³	3,830.50 USG
DEADWEIGHT	1,589.82 Mt	1,565.00 Lt

CARGO DECK

TONNAGE	700.00 Mt	689.00 Lt
STRENGTH	10.00 Mt/m ²	2,048.20 lb/ft ²
LENGTH	36.00 m	118.11 ft
WIDTH	12.00 m	39.40 ft
CLEAR AREA	432.00 m ²	689.00 ft ²

TONNAGE

GRT	1,986.00 tons
NRT	595.00 tons

MACHINERY

MAIN ENGINES	2 x Yanmar 8N 280M-EV @ 3,200 BHP x 720RPM
BRAKE HORSEPOWER	Total 6,400 BHP
AUXILIARY ENGINES	3 x CAT 3412C DITA + 2 x CAT 3408C DITA + 1 x CAT 3406C DITA
GENERATORS	3 x 590 KW, 2 x 370 KW , 1 x 320 KW All generators 240/440V, 3 Phase, 60 Hz
EMERGENCY GENERATOR	1 x CAT C4.4 DINA, 76KW
AZIMUTH STERN DRIVE	2 x Kawasaki Rexpeller KST 220 ZC/A
BOW THRUSTERS	2 x Kawasaki KT-72B3CPP 500 kW tunnel thrusters giving 2 x 7.7 ton lateral thrust

TOWING & ANCHOR HANDLING

WINCH TYPE	Double-Drum Waterfall
WINCH MODEL	1 x Brattvag waterfall SL150W-2T
LINE PULL	150 Mt
WINCH WIRE CAPACITY	1200m x 52mm diameter wire rope
BOLLARD PULL	86.60 Mt
CHAIN STOPPERS	1 x Triplex Shark's Jaw H-200
CHAIN STOPPER CAPACITY	200 tons SWL for 3/4" chain and wire
TOWING PINS	1 x Triplex Guide Pin S-200, 200 tons SWL
STERN ROLLER	4.40 m x 1.80 m x 180 mt SWL
STORAGE REELS	3 x Brattvag LALMX2205
SPARE TOW WIRE	1 x 1200mm of 52mm dia wire rope
CHAIN CHASER	1 x 110 ton SWL, J type chain chaser
GRAPNEL	1 x 100 ton SWL 4 prong
TUGGER WINCHES	2 x Brattvag LAKMX22.010, capacity 10 ton
ANCHOR WINDLASS	1 x Brattvag LBFMG 41-38 hydraulic comb Windlass/mooring type.
ANCHORS	2 x AC 14 high holding powers @ 1800Kg
ANCHOR CHAIN	2 x 20 shackles U3 Stud link 38 mm dia
HYDRAULIC BOLLARD	2 x Triplex P-150 of 150 Mton SWL
CAPSTAN	2 x Brattvag LCX22009 @ capacity 5.2 ton pull at 0 - 19 m/min
CRANE	1 x 3.0 metric ton TTS Marine GP40-3-8

PERFORMANCE

MAXIMUM SPEED	14 knots
CRUISING SPEED	12 knots
MAXIMUM FUEL CONSUMPTION	16 Mt/day
CRUISING FUEL CONSUMPTION	13 Mt/day
ECONOMY FUEL CONSUMPTION	10 Mt/day

ACCOMMODATIONS

UPPER FORECASTLE DECK
FORECASTLE DECK
MAIN DECK

CABINS: 13 BERTHS: 42

2 x 1 Man, 1 x 2 Men, 2 x 4 Men
7 x 4 Men, 1 x 2 Men, 1 x Ship's Office
Lounge: 10 Main Mess: 20
1 x Ship's Hospital, 1 x Galley

DISCHARGE RATES

	m ³ /hr @	m	usg/hr @	ft
DRILL WATER	100	80	26,417	262.5
FUEL	100	80	26,417	262.5
BRINE	150	80	39,626	262.5
POTABLE WATER	100	80	26,417	262.5
LIQUID MUD	80	60	21,134	196.85
BASE OIL	100	80	26,417	262.5
DRY BULK	1806	5.6 bar	63,778 ft ³ /hr	11,696 lb/ft ²

ELECTRONICS & CONTROLS:

AUTO PILOT	1 x Navipilot 4000 System with Gyro Compass and Magnetic Compass Input
EPH SOUNDER	1 x Sperry ES-5100-01
DGPS	2 x Sperry Marine MX420/8 - 12 Channel DGPS
GYRO COMPASS + REPEATER	3 x Sperry Marine Gyro Navigat XMK1, Mod 7 type E, GGG-TMC + 4 Repeaters
RADAR	1 x Decca 30 KW ARPA 343/12/MT/VM2 1 x Decca 25 KW ARPA 342/8/MT/VM2 1 x Sailor
RADIO DIRECTION FINDER	Koden Class A AIS Transceiver
AIS	1 x Sailor 5000 GMDSS 250W W.D1
GMDSS	2 x Sailor NT-200 JMC
NAVTEX RECEIVER	1 x Sperry Marine Navikot 350 E
SPEED LOG	1 x Icom
SSB	2 x Sailor RT5022 VHF-DSC
VHF	1 x Sperry Marine
WEATHER FACSIMILE	

FIRE FIGHTING / LIFE SAVING

FIRE MONITORS	2 x 1200 m ³ /Hr. @ 11 bar water monitors
FIRE PUMP	2 x 1500 m ³ /Hr @ 15 bar, 150 M Height
FIRE EXTINGUISHER	CO2 flooding system in Engine room comp.
FIRE STATION	12 complete with hoses and nozzles
LIFE BUOYS	10 Ring Buoys c/w lights and cordage
LIFE RAFTS	6 x 20 Men, inflatable Life Raft
RESCUE BOAT	1 x Seabear 23MKII, Aluminum Hull, 10 Person with 230 Hp Diesel Engine and Water Jet, and Davit Launching
SPRAY BOOM	2 x 5 m port/starboard fitted with flat nozzles 40 degrees spray angle

DOCUMENTATION:

CLASS	ABS * A1, Towing Vessel, Fire Fighting Vessel Class 1, Offshore Support Vessel AH, (E), * AMS, * DPS-2 Marshall Island February 2011 Singapore
FLAG	
YEAR BUILT	
BUILT IN	

DP SYSTEM:

DP2 - KONGSBERG K-Pos DP-21
Independent Joystick - KONGSBERG
Reference System - 1 x Fan Beam, 2 x DGPS, 3 x Gyro , 3 x VRU, 3 x Wind Sensor

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88.6 MT

BOLLARD PULL FIFI-1

