

61 M - 7200 BHP - DP 1 - FiFi 1 - AHTSV

Vessel Specifications



Vessel Specifications

Registration

Year built / Builder	February 2000 - Adyard Abu Dhabi
Flag	Marshall Islands
Class	DNV, 1A1 + Firefighter 1, DYNPOS AUT, DK (+), HL(2.0)

Dimensions

Length overall	61.00 m
Breadth moulded	15.20 m
Depth moulded	6.40 m
Draft loaded	5.35 m
Deadweight	1746 m/t
Registered tonnage	Gross 1700 t / Net 510 t

Machinery

Main engines	7200 bhp – 2 x 3600 bhp @ 1000 rpm Wartsila 8L26
Propellers	2 x Controllable Pitch Propellers in Kort Nozzles
Bow thruster	1 x 425 KW, Electric driven Tunnel thruster, 6.5 tons thrust Make: Brunvoll, type – FU45 LTC 1375
Stern thruster	1 x 425 KW, Electric driven Tunnel thruster, 6.5 tons thrust Make: Brunvoll, type – FU45 LTC 1375
Main generators	2 x 284 kW, 440V / 60Hz / 3ph Make: Cummins, type - 6 NTA855-D(M)
Emergency generator	1 x 160kW, 440V / 60Hz / 3ph Make: Cummins, type – 6 CTAB.3-G
Shaft generator	2 x 552 kW, 440V / 60Hz / 3ph Make: Leroy Somer, type – LSA M49.1S4
Sewagetreatment plant	1 x ST2A Super Trident - 26 man per day 1 x MSD-III-20, HMSA - 20 man per day
Oily water separator	1.0 m ³ / hr with 15 ppm alarm, Make: Hamworthy
Moon tubes	1 x 700 mm and 1 x 400 mm

DP Equipment

	DP-1 Class
	NMS-6000, L3 Dynamic Positioning and Control Systems
Reference Systems:	2 X DGPS Seastar 9200-G2, 1 x Cyscan radar system

Capacities

Fuel oil	860 m ³
Fresh / Drill water	786 m ³
Liquid mud	284 m ³
Bulk cement tanks	185 m ³
Refrigerator / Freezer	2 x 280 cu.ft (8 m ³)
Deck cargo capacity	525 tonnes at 5 mt / m ²
Clear deck area	345 m ²

Transfer rates

Fuel oil	2 x 100 cu.m / hr @ 75m head
Fresh water	2 x 100 cu.m / hr @ 75m head
Dry bulk	2 x 100 tons / hr @ 80 psi
Liquid mud	2 x 100 cu.m / hr @ 75m head
Fuel meter	1 each for fuel and fresh water

Performance

Maximum Speed	13 knots
Service Speed	10 knots
Bollard Pull	85 tonnes

Vessel Specifications

Towing / anchor handling / mooring

Anchor handling towing winch	1 x Double Drum waterfall type, electro-hydraulic winch, 120 tonnes line pull and 185 tonnes brake holding capacity Make: Plimsoll, monitored by CCTV for towing winch operation from bridge
Tow wire	1000 m x 60 mm
Work wire	150 m x 40 mm
Tugger winch	2 x 10 T hydraulic, Make: Plimsoll
Anchor windlass	1 x 6.1 T @ 10 m / min, Make: Plimsoll
Anchor chain	2 x 495 x 38 mm, grade U2
Anchor rollers	2 x 2300 kg Stockless bow anchors
Stern roller	1 x 1.8 mtrs (Diameter) x 5 mtrs (Length), 250 tons SWL
Shark jaws	1 x 300 T SWL hydraulic, Make: Plimsoll
Capstans	2 x 5 tons @ 18 m / min, electrohydraulic, Make: Plimsoll
Towing pins	2 x 300 tonnes SWL, Make: Plimsoll

Navigation and communication

GMDSS	Sailor TT-3606 E
Radar (2) ARPA	1 x Decca Litton (350) - Bridge Master E, 1 x Northrop GRUMMAN, Marine - Visionmaster FT
Sperry	
GPS plotter	2 x PC Maritime Navmaster ECDIS
AIS	1 x SAAB R4 Navigation system
Auto pilot	1 x Anschutz - Pilotstar D
Navtex receiver	1 x JRC-NCR300A
Gyro compass	1 x Anschutz Standard 22, 1 x Anschutz Standard 20
Magnetic compass	1 x Cassens Plath - Type 11 reflector compass
Mini 'M'	Thrane & Thrane
MF / HF transceiver / SSB radio	Sailor CU 5100 - Thrane & Thrane
Echosounder	1 x JMC Japan - F 3000 W
VHF (3)	2 x Sailor DSC RT 5022, 1 x Sailor RT 2048
SART	1 x Serpe IESM Rescuer, 1 x Jotron - Tron SART 20
Anemometer	2 x Young wind tracker - 06206
EPIRB	1 x Kannad 406 WH

Safety & firefighting - FIFI 1 DNV Class Notification

FIFI system	FIFI Class 1
Fire monitors	2 x water / foam monitor 1200 cu.m / hr remote controlled from bridge
Fire pump (2)	2 x 1500 cu.m / hr, Make: Nijhuis
Emergency fire pump	30m ³ / hr @ 60 m head
Fire extinguishers	CO2/4; Foam/9; DP/13
Fixed CO ₂	Engine room flooding system
Fast rescue craft	13 man capacity
Life rafts	4 x 25 man; 2 x 20 man

Accommodation (42 bunks)

2 x 1 berth cabins	= 2 berths
4 x 2 berth cabins	= 8 berths
8 x 4 berth cabins	= 32 berths
Client suite and office	= 1 berth
1 x Hospital	= 1 berth

Conference area and Survey desk on the bridge, All cabins fully air conditioned and c/w attached toilets.