

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.

Tank Capacities

	SG	Fuel oil	Pot water	Drill water	Ballast water	Liquid mud	Brine M3	Base oil	Methanol	Dry bulk	Oil recovery
	M3	0,850	1,000	1,000	1,025	2,500	2,500	0,830	1,120	2,400	1,000
F.W.Day Tank Port	8.30		8.30								
F.W.Day Tank Starboard	8.30		8.30								
F.W Tank No:1C (Forepeak)	15.70		15.70								
F.W.Tank No:2P	63.80		63.80								
F.W.Tank No:2S	63.80		63.80								
F.W Tank No:3P	88.50		88.50								
F.W Tank No:3S	88.50		88.50								
F.W Tank No:7C	20.30		20.30								
F.W Tank No:7P	155.40		155.40								
F.W Tank No:7S	155.40		155.40								
F.W Tank No:8P	39.70		39.70								
F.W Tank No:8S	39.70		39.70								
F.W Tank No:9P	19.40		19.40								
F.W Tank No:9S	19.40		19.40								
D.O Day Tank Port	11.90	10.12									
D.O Day Tank Starboard	11.90	10.12									
D.O Settling Tank (Port)	30.40	25.84									
D.O Tank No:4P	66.70	56.70									
D.O Tank No:4S	86.60	73.60									
D.O Tank No:5C	77.90	66.20									
D.O Tank No:5P	67.30	57.20									
D.O Tank No:5S	67.30	57.20									
D.O Tank No:6C	86.30	73.36									
D.O Tank No:6P	171.20	145.40									
D.O Tank No:6S	171.20	145.40									
D.O Overflow Tank	9.80	8.30									
Emergency Generator D.O Day Tank	1.20	1.00									
Main Engine Oil Storage Tank	4.90						4.00				
Reduction Gear Oil Storage Tank	2.50						3.00				
A.E Oil Storage Tank	2.50						3.00				
Dry Cement Tank No:1	46.00									111.00	
Dry Cement Tank No:2	46.00									111.00	
Dry Cement Tank No:3	46.00									111.00	
Dry Cement Tank No:4	46.00									111.00	
Liquid Mud/Brine Tank No:1	72.00					178.00					
Liquid Mud/Brine Tank No:2	72.00					178.00					
Liquid Mud/Brine Tank No:3	72.00					178.00					
Liquid Mud/Brine Tank No:4	72.00					178.00					
Weight in Tons		731	786			712		10		444	
Volume in m³		860	786			284		9		185	

All figures shown are based on tank volume at 100% filling.