



OFFSHORE VESSELS GPA DESIGN 254L AHTS



Class

ABS +A1, Towing Vessel, Circle E
Offshore Support and Anchor Handling,
+AMS,+DPS-22, Fi-Fi 1

Main Dimensions

Length Overall :	59,78m
Length between Perp.:	57,34m
Breadth :	15m
Depth:	5,5m
Max. Draft:	4,88m
Design Draft	4,30m
Deadweight :	1689t
Service Speed at design draft:	12 knots
Gross Registered Tonnage :	<1800GT
Bollard pull:	80mt

Machinery / Propulsion / Equipment

Main Diesel Generator :

3x1825kW-480V, total output 5475kW

Stern propellers FP :

2x1685kW azimuthing + 1x1685kW fix. Drives : 6x843kW
DCmotor, 750V

Emergency Generator : 1x160kW-480V

Thrusters: 2 Bow thrusters,
2x560kW x 1040rpm, FPP

Accommodation: 22 persons.

Deck Equipment

Hydraulic Power Pack :

4x110kW+15kW, 480V/60Hz

Windlass :

1x Windlass with 2 warping end, stockless anchors
2x1920kg, Chain cable 440m of 40mm diam., grade 2

Anchor Handling/Tow Winch

Type : double drums in anti-waterfall arrangement.

Drum Capacity 1500mx56mm+1200x63 diam. SWR

Three speed range :

Rated pull (1st layer) : 150tx8,5m/min (1st speed)

Brake Holding 250t (static, 1st layer)

Cable Lifter 2 sets suitable 3" & 2,5"

Tugger Winch : 2x10t at 0-15m/min

Storage Reel Winch : 12t x 18 t

Drum capacity : 1500mx Dia.56mm SWR

Shark Jaw SWL 250t/ Towing Pin SWL 250t

Stern Roller : 250t SWL, dia. 1500mmx2500mm

Deck Crane : 1x18tx6m

Fire Fighting System (Class1) :

2 pumps 1650m3/hr, 2 monitors 1200m3/hr (water),
300m3/h (foam)

Capacities (approx)

Clear deck area :	302m ² (5t/m ²)
Deck Cargo :	600t
Fuel Oil :	546m ³
Liquid Mud :	625m ³
Bulk Mud Tank :	156m ³
Fresh Water :	355m ³
Drill Water :	459m ³

Cargo Discharge Pumps (approx)

Fuel Oil :	150m ³ /h at 7 bar
Liquid Mud :	150m ³ /h at 6/15 bar
Fresh Water :	150m ³ /h at 7 bar
Ballast/Drill Water :	150m ³ /h at 7,5 bar
Bulk Mud Compressor :	1x22m ³ /min at 5.6 bar

Dynamic Positioning System (Class 2)

IVCS 2000 DP2 System

1 Cyscan Laser Radar

2 NV VRS

2 Wind Bird

2 MX420 DGPS & MX525 DHPS sensor

Navigation Equipment :

2 radar Xband

1 Fleet 77

2 Gyro compass

2 Magnetic compass

1 Navtex Receiver

Iridium SAT phone

1 Navigation Echo Sounder

1 Navigation Speed Log

1 AIS

1 Weather Fax

1 Auto Pilot (included US)

Communication Equipment, Radio

1 A1,A2,A3 GMDSS Radio Station

3 VHF Radio 1 Inmarsat

1 UHF Base Station

1 FELCOM-16 SSAS

1 Integrated Intercom/GA/PA System

1 TV/Radio System