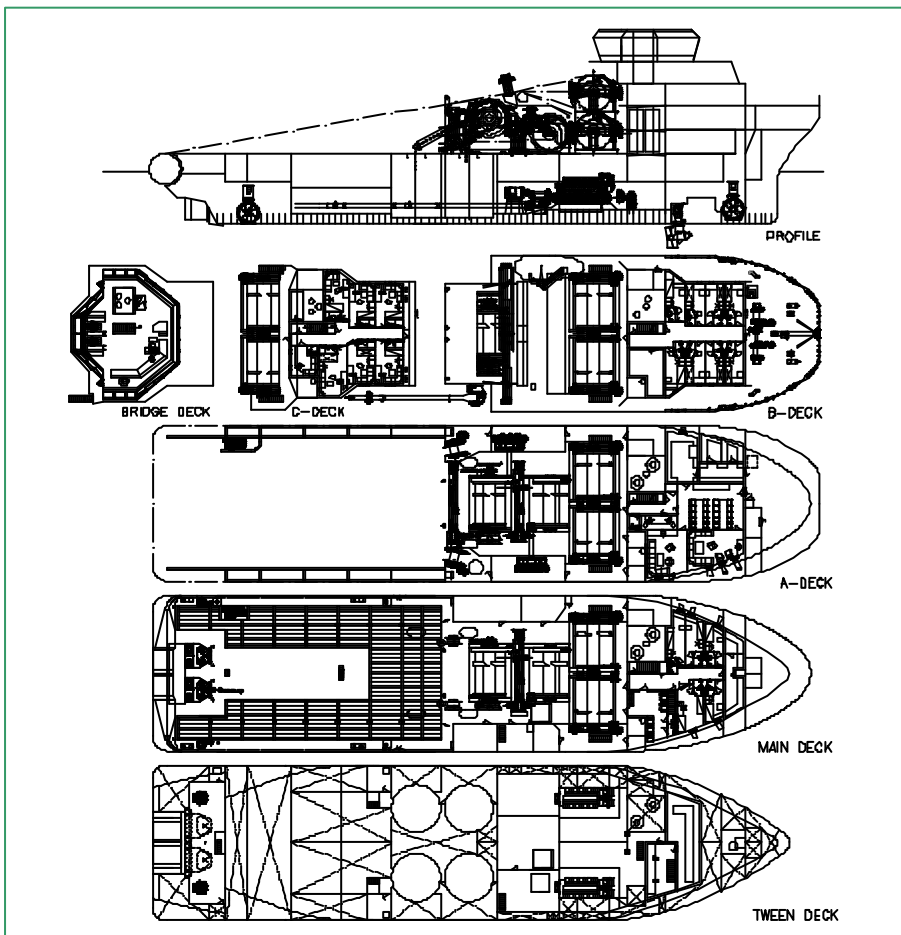




DP 1 anchor handling tug supply for deep water operations

YVAN BARRETTO

150 Metric ton bollard pull
350 Metric ton line pull winch



This Rolls Royce Marine UT 722 Design vessel is fitted with a class I DP system and has storage capacities for recovered oil .

It is equipped for deep-water anchor-handling and towing with 6 working drums, consisting of 2 drums on the main winch and 4 drums on the secondary winch.

15-06-2005



DP 1 anchor handling tug supply
for deep water operations
YVAN BARRETTO
12,070 bhp

MAIN CHARACTERISTICS

Length overall:75.60 m.
Length between pp:64.40 m.
Breadth moulded:18.00 m.
Depth main deck midship:8.00 m.
Deadweight (approx) at 6.00 m draft: ...1,580 t.
(approx) at 6.60 m draft: ...2,230 t.
Bollard Pull:144 t/150.5 t (max).
Gross tonnage:3,360.

REGISTRATION

Type: AHTS 10000 DMA. DP1 supply vessel Rolls Royce Marine design UT 722.
Owner:DELBA MARÍTIMA NAVEGAÇÃO SA.
Delivery:2004.
Builder:FELS SETAL (BRAZIL).
Flag:BRAZILIAN.
Classification: ...DNV.
✘1A1-TUG-Supply Vessel-SF-EO-DYNPOS AUT-OIL REC-TMON.

PERFORMANCE (MDO)

Trial speed at 4.25m draft/100% MCR:15 knots.
Economic speed:10 to 13 knots.

ACCOMMODATION

- Fully air-conditioned.
- Accommodation for 30 persons composed of:
 - 6 x single cabins, 12 x 2 men cabins.
- 2 offices, 1 hospital, 1 mess rooms , 2 day rooms, laundry, galley, change room, provision room.

PROPULSION - MACHINERY

- **Main diesel engines:** 2x 4,500 kW at 750 rpm, BERGEN B32: 40L9P.
- **Reduction:** 2 gear boxes, 750/160 rpm, 2 PTO.
- **Shaft generators:** 2x2,800 kVA at 1,200 rpm, 440 V/60 Hz.
- **Auxiliary generators:** 2 x 390 kVA at 1800 rpm, 440 V/ 60 Hz.
- **Emergency generator:** 1 x 106 kVA at 1,800 rpm, 440 V/ 60 Hz.

THRUSTERS

- **Main propellers:** 2x with CPP (diameter: 3,900 mm).
- **Tunnel thruster forward:** 1x 883 kW electric driven.
- **Tunnel thruster stern:** 1x 883 kW electric driven.
- **Azimuth thruster forward:** 1x 1,120 kW electric driven.
- **Rudders:** 2 independent flap rudders.

DECK EQUIPMENT

6 drums Towing and Anchor Handling Winches, consisting of:

- **Main winches:** 1 waterfall type: Brattvaag BSL 350W/SL 350W low pressure hydraulic.
2 drums each specified as follows: 1,500 mm diameter x 3,100 mm length + 1,100 mm socket compartment.
 - Wire capacity:5,072 m of 3".
 - Gypsies: 2x 3" and 2x 3^{3/4}".
 - Dynamic braking on first layer:400 t.
 - Hoisting on first layer:350 t at 0-10,5 m/min.
.....88 t at 0-15,6 m/min.
- **Secondary winches:** Brattvaag ALM 63125U comprising 4 drums specified as follows: 1,500 mm diameter x 3,500 mm length + 1,100 mm Socket compartment.
 - Wire capacity:800 m of 8".
 - Dynamic braking on first layer:155 t.
 - Hoisting on first layer:125 t at 0-14 m/min.
- **Tugger winches:** 2 x 15 t (speed 0-21m/min).
- **Capstans:** 2x 11 t at 0-17 m/min.
- **Twin stern rollers:** diam. 3.50 x (3.00+3.00m) length, SWL 500 t.
- **Deck/chain handling support crane:** 3.3 t at 8 m.
- **Deck-provision crane:** 5 t. at 16 m, hydraulic.
- **Life boat:** 1 MOB boat with davit, life rafts with equipment.
- **Windlass:** 1.

CAPACITIES

Cargo deck area:15.20 x 30.20 m.
Deck cargo:800 t.
Cargo chain lockers (comprising 4 of circular lockers): 560 m³
Fuel oil cargo:830 m³
Fuel oil domestic :137 m³
Oil recovery:1,150 m³
Fresh water cargo:870 m³

ELECTRONICS

- 2 radars,
- 1 gyrocompass system with repeaters,
- 1 echo sounder,
- 1 speed log,
- 1 autopilot,
- 1 GPS,
- 1 DGPS (to DP application),
- 1 radio system compliant with GMDSS A3 rules + VHF,
- 1 Inmarsat C,
- 1 mini M,
- 1 weather fax.

DP SYSTEM & JOYSTICK SYSTEM

- 1 DP system (class I) comprising the following position reference systems:
 - 1 DGNSS (combined GLONASS and DGPS)
 - 1 FANBEAM.
- Joystick system.

ALARM & MONITORING SYSTEM

- 1 UMAS V system control.

OTHERS

- Passive Roll Reduction System.

(All particulars believed to be correct but not guaranteed).

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