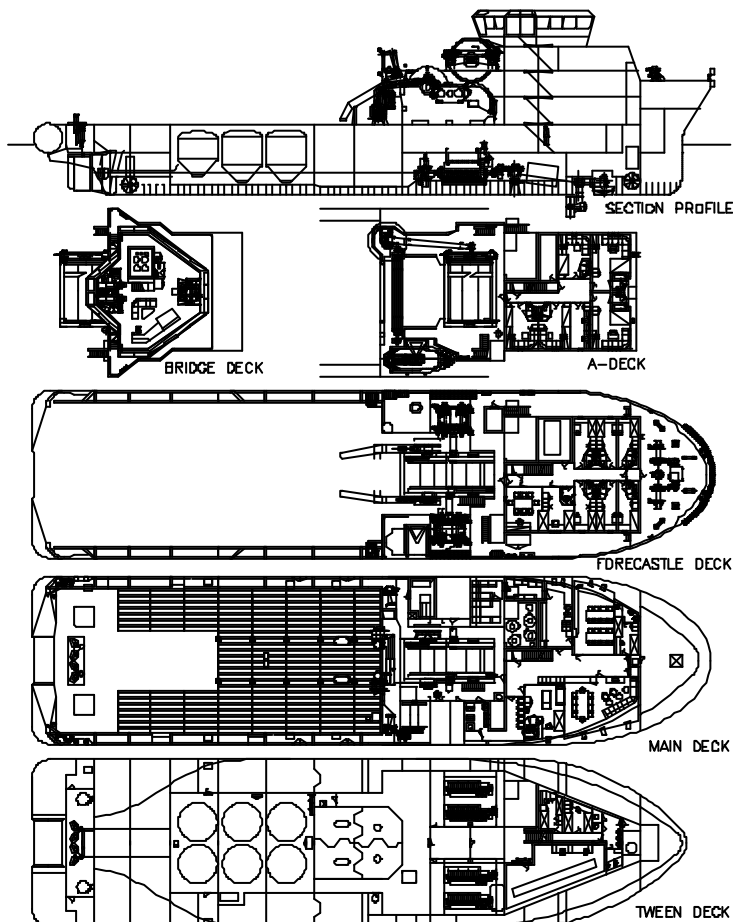




# DP 1 multi-functional offshore vessel for deep water operations

## ULYSSE

170 Metric ton bollard pull  
400 Metric ton line pull winch



This Rolls Royce Marine UT 721 Design vessel satisfies the general requirements of the deep water offshore industry.

She is fitted with a class I DP system, FiFi II system, stand-by for rescue, oil hoses maintenance system, ROV and subsea services.

It is equipped for deep water anchor-handling and towing with 2 drums as main winches, 1 drum as secondary winch and 1 storage reel .

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# DP 1 multi-functional offshore vessel for deep water operations

## ULYSSE

### 15,600 bhp

#### MAIN CHARACTERISTICS

Length overall: .....69.66 m.  
Length between pp: .....61.50 m.  
Breadth moulded: .....17.20 m.  
Depth main deck: .....7.20 m.  
Deadweight at 5.20 m draft: .....1,500 t.  
at 6.10 m draft: .....2,514 t.  
Bollard pull: ..... 170 t.  
Gross tonnage: .....2,340

#### REGISTRATION

Type: .....DPI Multi-functional Offshore Vessel. ULSTEIN design UT 721.  
Owner: .....BOURBON SURF.  
Delivery: .....1998.  
Builder: .....CHANTIERS PIRIOU - France.  
Flag: .....FRENCH.  
Classification: BUREAU VERITAS. 1 3/3 E + Tug/Supply Vessel, Fi-Fi II, Deep Sea, + MACH, AUT, MS, PDY, MA, TA.

#### PERFORMANCE

**Consumption:** .....47 m<sup>3</sup>/day at 16 knots (maxi speed).  
25 m<sup>3</sup>/day at 12 knots.  
20 m<sup>3</sup>/day at 9 knots (economic speed)

#### ACCOMMODATION

- Accommodation for 33 persons composed of:
  - 5x single cabins, 6x 2 men cabins, 4x 4 men cabins.
- 1 office, 1 hospital, 2 mess rooms, 1 day room, laundry, galley, provision rooms.

#### PROPULSION - MACHINERY

- **Main engines:** 4x 3,600 hp (total: 14,400 hp) BERGEN BRM6 .
- **Propellers:** 2 Type CPP, dia: 3,600 mm in nozzles, 170 rpm.
- **Rudders:** 2 High lift flap type.
- **Shaft generators:** 2x 2,200 kVA, LEROY-SOMER.
- **Auxiliary generators:** 2x 312 kVA CAT. 3406.
- **Emergency generator:** 1x 237 kVA CAT. 3306.

#### THRUSTERS

- **Bow thruster:** 1x 800 hp tunnel, electrically driven, Thrust: 8.80 t.
- **Bow thruster:** 1x 1,200 hp azimuth/retractable, diesel driven, thrust: 13.20 t.
- **Stern thruster:** 1x 800 hp tunnel, electrically driven, Thrust: 8.80 t.

#### TOWING/ANCHOR HANDLING WINCH

- **Main winches:** 1 waterfall BRATTVAAG BSL 400WX/SL 400WX.
  - 2 drums: 3,600 m of 3" wire.
  - Bare drum dia: 1,400 mm, spooling device each
  - Wildcats: 2 for 3<sup>1/4</sup> chain each.
  - Brake holding load: 600 t on 1st layer for A/H and towing drums.
  - Duty in hoist: 1st layer A/H and towing drums:
    - 400 t at 0-10 m/min (low gear) - 200 t at 0-18 min (high gear).
- **Windlass:** 2 fixed warping heads, hoisting: 13.4 t at 0-59 m/min.
- **Secondary winch:** 1 planned for handling rig or FPSO synthetic mooring lines.
  - Pull at 1st layer: 134 t at 0-22 m/min.
  - Capacity: 1,600 m of 8" synthetic line or 5,000 m of 3<sup>9/16</sup> wire.
  - Bare drum dia: 1,500 mm.
  - Brake holding load: 150 t on 1st layer.
  - Spooling device.
- **Storage reel:** 1, capacity 1,500 m of 3" wire.
- **Stern roller:** 1x 500 t SWL, dia: 3 m, length: 5 m.
- **Towing pins:** 2 pairs 240 t SWL.
- **Shark jaws:** 2 off 500 t SWL.
- **Tuggers:** 2x 18 t.
- **Capstans:** 2x 10 t.
- **Deck crane:** 5 t/14 m.

#### CAPACITIES & PUMPS

Cargo deck area: 500 m<sup>2</sup> (34 x 14.70 m) 5 t/m<sup>2</sup> forward, 10 t/m<sup>2</sup> aft.  
Deck cargo: .....1,200 t.  
Cargo chain lockers: .....400 m<sup>3</sup>.  
Fuel oil: .....972 m<sup>3</sup> ...Pump- 1x 200 m<sup>3</sup>/h at 9 bars.  
Dry bulk: .....280 m<sup>3</sup> ...Comp. 2x 1,620m<sup>3</sup>/h at 5,6bars.  
Fresh water: .....411 m<sup>3</sup>...Pump 1x 200 m<sup>3</sup>/h at 9 bars.  
Rig water/Ballast: .....608 m<sup>3</sup>...Pump 1x 150 m<sup>3</sup>/h at 9 bars.  
Liquid mud: .....400 m<sup>3</sup>...Pump 2x 75 m<sup>3</sup>/h at 18 bars.  
Brine: .....458 m<sup>3</sup> ...Pump 1x 75 m<sup>3</sup>/h at 18 bars.

#### ELECTRONICS

- 1 radar S band, 1 radar X band, 1 slave monitor for S and X in aft console, 2 gyrocompasses, 1 digital echo-sounder, 1 speed log, 1 autopilot system.
- 1 radio system compliant with GMDSS A3 rules including:
  - 1 SSB duplex (DSC), 2 INMARSAT STD C, 5 VHF, 1 INMARSAT B, 1 NAVTEX receiver, 1 GPS, 2 DGPS.

#### DYNAMIC POSITIONING SYSTEM

- 1 DP (class I) system allowing: Automatic tracking, dynamic positioning, automatic speed control, submarine (ROV) auto-tracking.
- Reference system: DGPS, FANBEAM, GLONASS, SYLEDIS.
- Independent manual joystick control.
- The vessel is fitted with a HPR room allowing installation of HPR (HIPAP) transponder.
- ROV power supply (440 V- 60 Hz - 1,000 KW) and (220 V- 60Hz- 63 amps) is available any side on aft main deck.

#### SPECIAL EQUIPMENT

- **Standby Rescue Equipment:**
  - Fast Rescue boat (6 persons), Single point lift, Aluminium, 273 HAMILTON hydrojet driven by a 230 hp VOLVO TAMD 63, Speed 25 knots.
  - Inflatable liferafts: 4x 25 persons, 2x 8 persons.
  - Rescue Zone: rescue nets on both sides.
- **FIFI II:** 7,200 m<sup>3</sup>/h, 3 monitors 2,400 m<sup>3</sup>/h each at 120 m.
  - Remote controlled from wheelhouse.
  - Pumps: 2x 3,900 m<sup>3</sup>/h.
  - Deluge system: 600 m<sup>3</sup>/h.
- **Miscellaneous:**
  - Pushing rubber bow fenders.
  - 14" moon pool for ultra short base implantation.
  - Aft main deck prestructured for the installation of an A-frame.

All particulars believed to be correct but not guaranteed.

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