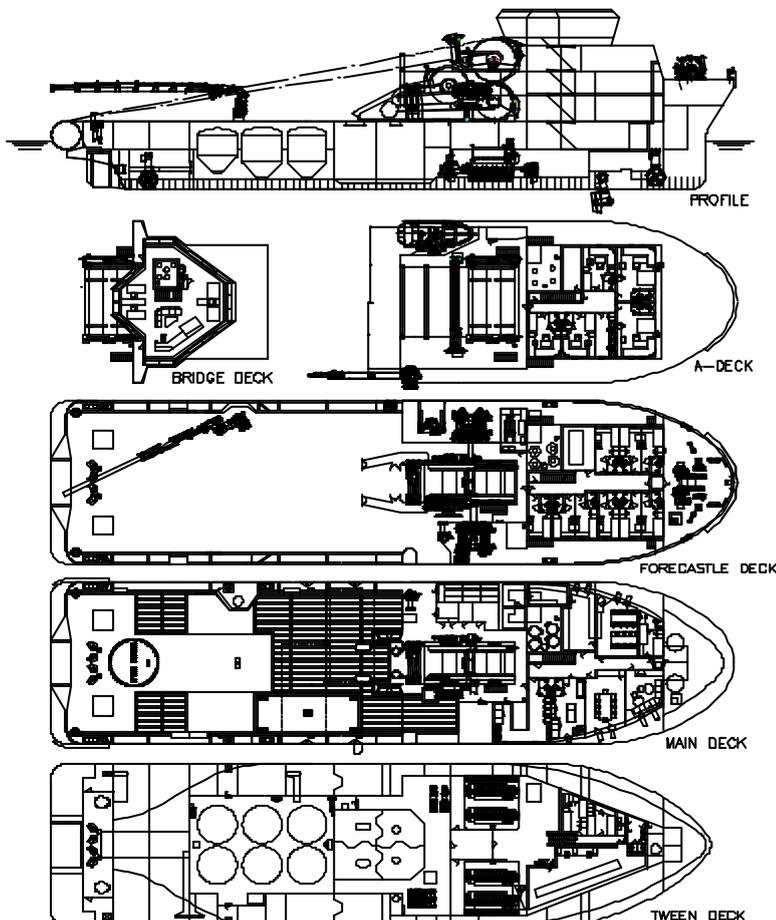




DP 2 anchor handling tug supply for deep water operations

LUZOLO

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.

It is fitted with a class II DP system, FiFi I 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 drum as bow windlass/towing winch.

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LUZOLO
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:1,400 t.
at 6.10 m draft:2,320 t.
Bollard pull:170 t.
Gross tonnage:2,400

REGISTRATION

Type:AHTS. DP2 supply vessel ULSTEIN design UT 721.
Owner:Bourbon Offshore Surf.
Delivery:Beg. 2004.
Builder:CHANTIERS PIRIOU - France.
Flag:FRENCH.
Classification: BUREAU VERITAS. Class 1 +Hull +Mach- Unrestricted navigation
Supply Vessel - Tug - Fire Fighting Ship I Water spraying - Stand-by/Rescue Vessel
(150 survivors, Guinea Gulf) +DYNAPOS MA/AT/R +AUT-UMS +SDS

PERFORMANCE

Consumption:47 m³/day at 16 knots (maxi speed).
25 m³/day at 12 knots.
20 m³/day at 9 knots (economic speed)

ACCOMMODATION

- Fully air-conditioned.
- Accommodation for 33 persons composed of:
 - 7x single cabins, 7x 2 men cabins, 3x 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 CP, dia: 3,600 mm in nozzles, 170 rpm.
- **Rudders:** 2 High lift flap type.
- **Shaft generators:** 2x 2,200 kVA .
- **Auxiliary generators:** 2x 312 kVA.
- **Emergency generator:** 1x 215 kVA.

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 SL 400WB/SL 400W.
 - 2 drums: 3,600 m of 3" wire, with spooling device, each.
 - Cable lifters: For 3"^{3/4} chain (each).
 - Brake holding load: 1st layer A/H and towing drums: 600 t.
 - Duty in hoist: 1st layer A/H and towing drums:
 - Low gear: 400 t at 0-9 m/min — High gear: 200 t at 0-18 min.
- **Bow windlass/towing winch:** BRATTVAAG LBF 41038.
 - Towing drum: capacity 300 m of 2"^{1/2} composite rope.
 - Cable lifters for 40 mm chain.
 - Brake holding load: 1st layer 227 mt
 - Duty in hoist: 1st layer 45 t at 0-16,2 m/min.
- **Windlass:** 2 fixed warping heads, hoisting: 13,4 t at 0-59 m/min.
- **Secondary winch-Storage reel:** 1 with 3 compartments.
 - Pull at 1st layer: 134 t at 0-22 m/min.
 - 1st division: 1,600 m of 8" synthetic line,
 - 2nd division: 1,200 m of 3"^{3/4} wire, 3rd division: socket storage.
 - Holding load: 62 t on band brake.
 - Spooling device.
- **Stern roller:** 1x 550 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 15 t.

CAPACITIES & PUMPS

Cargo deck area:500 m² (34 x 14.70 m).
Deck cargo:1,200 t.
Cargo chain lockers:400 m³.
Fuel oil:850 m³ ...Pump- 1x 200 m³/h at 9 bars.
Dry bulk:283 m³ ...Comp. 2x 1,800m³/h at 5,6bars.
Fresh water:400 m³ ...Pump 1x 200 m³/h at 9 bars.
Water Ballast/drill water: ..1,400 m³ ...Pump 1x 150 m³/h at 9 bars.
Liquid mud:400 m³ ...Pump 2x 75 m³/h at 18 bars.
Brine:450 m³ ...Pump 1x 75 m³/h at 18 bars.
Dispersant:10 m³.

ELECTRONICS

- 2 radars, 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 - VHF - EPIRB - Transponders
- Iridium - 1 NAVTEX receiver - 1 DGPS - 1 ECDIS - AIS

DYNAMIC POSITIONING SYSTEM

- 1 DP (class II) system allowing: Automatic tracking, dynamic positioning, automatic speed control, submarine (ROV) auto-tracking.
- Reference system: 2 DGPS, 1 FANBEAM, 2 MRU, 1 HPR.
- 2 gyrocompasses, 1 wind sensor.
- Mixed manual/auto-mode joystick control.

SPECIAL EQUIPMENT

- **Standby Rescue Equipment:**
 - Fast Rescue boat.
 - Rescue Zone: rescue nets on both sides, Helicopter winching area, benches,
 - Sun protection and sanitary facilities for survivors.
 - 1 morgue for 15 corpses.
- **FIFI I:** 2,400 m³/h, 2 monitors 1,200 m³/h each.
 - Remote controlled from wheelhouse.
 - Pumps: 2x 1,500 m³/h at 18 bar.
 - Deluge system: 600 m³/h.
 - Foam: 24 m³.
- **Export hoses maintenance system:**
 - Hose cleaning area on deck.
 - Oil spill reception in slop tank. Capacity 21 m³.
- **Deck crane:** Forward, hinged arm, 9 t/10 m, 4.5 t/20 m. Aft, foldable type, 9 t/10 m, 5t/17 m.
- **Miscellaneous:**
 - Pushing rubber bow and stern fenders.
 - 2x 440 V ROV Power supply.
 - 4x 440 V Reefer connection sockets.

All particulars believed to be correct but not guaranteed.

Bourbon Offshore

148, rue Sainte - 13007 Marseille - France

Phone +33 (0)4 91 13 08 00 - Fax +33 (0)4 91 13 08 61

www.bourbon-online.com - E-mail: bourbon-offshore@bourbon-online.com