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.
MAIN CHARACTERISTICS

Length overall: 69.66 m.
Length between pp: 61.50 m.
Breath moulded: 17.20 m.
Depth main deck: 7.20 m.
Deadweight at 5.20 m draft: 1,400 t.
Bollard pull: 170 t.
Gross tonnage: 2,400

REGISTRATION

Type: AHTS. DP2 supply vessel ULSTEIN design UT 721.
Owner: Bourbon Offshore Surf.
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) + DYNAPSO 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.

PROPELLATION - 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.
- Rudder: 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 waterfali BRATTVAAG SL 400WB/SL 400W.
  - 2 drums: 3,600 m of 3" wire, with spooling device, each.
  - Cable lifters: For 3/4" wire, each.
  - Brake holding load: 1st layer A/H and towing drums: 600 t.
  - Duty in hoist: 1st layer A/H and towing drums: 1,200 t.
  - 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" x 0.25 composite rope.
  - Cable lifters for 40 mm chain.
  - Brake holding load: 1st layer 227 m.
  - 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: 2,000 m of 3" synthetic line.
  - 2nd division: 1,200 m of 3" synthetic line.
  - Holding load: 62 t on band brake.
- 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: 3x 1,200 t.
Cable chain lockers: 1x 400 m³.
Fuel oil: 850 m³, Pump 1x 200 m³/h at 9 bars.
Dry bulk: 283 m³, Comp. 2x 1,800 m³/h at 5,6 bars.
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 autopiolt system.
- 1 radio system compliant with GMDSS A3 rules including:
  - 1 SSB duplex (DSC) - 2 INMARSAT STD C - VHF - EPIRB - Transponders - Indium - 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, 5 t/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.