

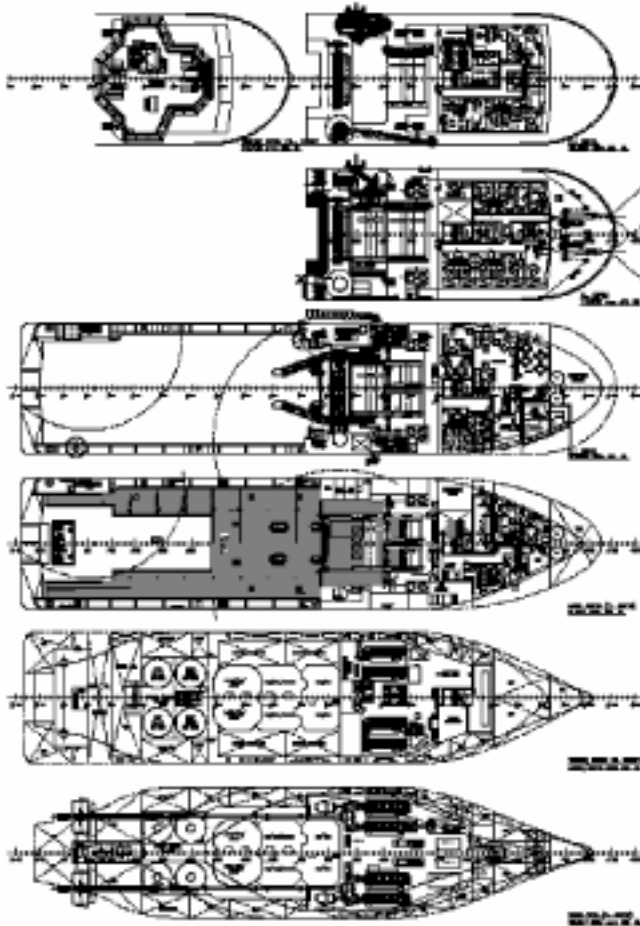


DP 2 anchor handling tug supply vessel

BOURBON DOLPHIN

194 Metric ton bollard pull

400 Metric ton line pull winch



This ULSTEIN A102 is a compact and reliable AHTS for anchor handling, tug and supply services designed to meet the future demands of offshore industry.

This vessel surpasses industry standards with regards to cargo capacities and performance, and fully complies with requirements for energy efficiency and conservation.

It is fitted with a DP 2 class and a Fi-Fi I system.

It is equipped with 2 drums waterfall type for towing/working, and 1 drum for anchor handling with large capacities.

22-11-2006



BOURBON



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16,100 bhp

MAIN CHARACTERISTICS

Length overall:75.20 m.
Breadth moulded:.....17.00 m.
Depth main deck:8.00 m.
Max draft:6.50 m.
Deadweight at max draft:2,500 t.
Deck cargo :800 t.
Cargo deck area:486 m² (34.50 x 14.10 m) @ 10.0 t/m²
Bollard pull:194 t.
Gross/Net tonnage:2,974 / 892

REGISTRATION

Type:AHTS. DP2 supply vessel A102 ULSTEIN Design AS.
Owner:Bourbon Offshore Norway.
Delivery:2006.
Builder:Ulstein Verft AS (Norway).
Flag:Norwegian.
Classification: DNV. ✦1A1, Supply Vessel, Tug, SF, EO, DYNPOS AUTR,
Fire Fighting I, CLEAN, COMF-V(3), DK(+),
HL(+), NAUT-OSV (LOC), NLS certificate.

PERFORMANCE

Trial speed:17.5 knots.

ACCOMMODATION

- Fully air-conditioned.
- Accommodation for 35 persons composed of:
 - 13x single cabins, 5x 2 man cabins, 3x 4 man cabins.
- Office and conference room, 1 hospital, 1 mess rooms, 2day rooms, laundry, galley, provision rooms, stores.

PROPULSION - MACHINERY

- **Main engines:** 4x 3,000 kW at 750 rpm (total: 12,000 kW).
- **Reduction:** 2 gears boxes 750/147 rpm, twin-in/single-out, PTO.
- **Propellers:** 2 Type CP with 4 blades, dia: 3,900 mm in nozzles.
- **Rudders:** 2 High lift flap type.
- **Shaft generators:** 2x 3,000 kVA at 1,200 rpm, 450V 50-60 Hz.
- **Auxiliary generators:** 2x 875 kVA.
- **Emergency generator:** 1x 135 kW.

THRUSTERS

- **Bow thrusters:** 1x 883 kW tunnel, electrically driven,
1 Swing-up compass thruster, 883 kW, electrically driven.
- **Stern thruster:** 2x 590 kW tunnel, electrically driven.

TOWING/ANCHOR HANDLING WINCH

- **Main winch:** 1 electro-hydraulic winch composed of 3 drums in waterfall arrangement, consisting of:
Towing/working: 2 drums: dia. 1,500/3,200 x 2,300 mm length.
 - Wire capacity: 2,500 m of 3".
 - Brake holding load: 500 mt on 1st layer.
 - Duty in hoist: 400 mt on 1st layer at 0-18.7 m/min.
 - Duty dynamic braking: 90-480 mt at 0-88 m/min.**Anchor handling:** 1drum: dia.1,500/3,200 x 4,570 + 900 mm.
 - Wire capacity: 5,000 m of 3" + 900 m of 3" socket compartment.
 - Duty in hoist: 400 mt on 1st layer at 0-18.7 m/min.
 - Duty dynamic braking: 90-480 mt at 0-88 m/min.**Secondary winch:** 1drum: dia. 1,500/3,200 x 4,500 + 900 mm.
 - Wire capacity: 4,000 m of 3"+1,000 m of 3" socket compartment.
 - Capacity: 1,600 m of 8" dia. synthetic rope.
 - Duty in hoist: 138 mt on 1st layer at 0-43 m/min.
 - Duty dynamic braking: 170 mt at 70 m/min.
- **Storage winch:** 1 drum, dia. 1,000/2,600 x 2,200 mm length.
 - Wire capacity: 2,500 m of 3" wire.
 - Duty in hoist: 10 mt on 1st layer at 0-43 m/min.
- **Twin stern roller:** dia: 2,000 x 2,500 x 3,500 mm. length, 500 mt.
- **Towing pins:** 2 of hydraulic pin unit, dia. 450 mm.
- **Shark jaws:** 2 of 500 mt SWL.
- **Windlass:** 1 combined windlass/mooring winch.
- **Tuggers:** 2x 20 t.
- **Capstans:** 2x 15 t.
- **Roll damping system:** 2 passive roll reduction tanks.

TANK CAPACITIES & PUMPS

DW/BW:1,650 m³ ..Pump 2x250m³/h at 9 bars.
Fuel oil:1,150 m³ ..Pump 1x 250 m³/h at 9 bars.
Dry bulk: (4 tanks).....155 m³ ..Comp. 2x 1,800m³/h at 5,6 bars.
Fresh water:435 m³ ..Pump 1x 150 m³/h at 9 bars.
Liquid mud:625 m³ ..Pump 2x 75 m³/h at 24 bars.
Brine:600 m³ ..Pump 2x 75 m³/h at 24 bars.
Rig chain: (4 lockers).....540 m³

ELECTRONICS

- **NAVIGATION & COMMUNICATION**
 - 1 radar S-band ARPA, 1 radar X-band ARPA,
 - 1 digital chart system ECDIS (duplo),
 - Conning station,
 - 1 GPS,
 - 3 gyrocompasses (combined use with DP system),
 - 1 PABX type telephone system with PA,
 - 1 INMARSAT F 77 with fax,
 - 2 Satcom C, part of GMDSS,
 - 1 Complete GMDSS A3 radio installation including:
1 SSB duplex (DSC), 2 INMARSAT C, 2 VHF, EPIRB, SART, NAVTEX,
 - 1 Automatic identification system AIS,
 - E-mail and on-board computer network system,
 - Automatic exchange telephone system with facilities in each room and offices, satellite TV antenna.

DYNAMIC POSITIONING SYSTEM (DP 2)

- Comply with DNV class notation DYNAPOS AUTR.
 - System allowing: Joystick, Automatic tracking, dynamic positioning, automatic speed control.
 - Reference system: 1 DGPS 700, 1 Laser reference system.
 - Sensors: 2 gyrocompasses, 2 wind sensors, 2 motion reference unit.
 - Prepared for hydro acoustic reference unit with ND 500, manual gate valve.

SPECIAL EQUIPMENT

- **Life saving arrangement:** 1 Fast rescue craft (water jet) with davit,
 - 6 Life rafts for 20 persons each, with equipment,
 - Lifebuoys, life Jackets.
- **FIFI I:** (Remote controlled from wheelhouse).
 - 2 monitors 1,200 m³/h each, 1 Pump 2,400 m³/h at 12 bars.
 - Self protection water spray system.
- **Deck cranes:** 1 knuckle boom crane, 10 t @ 16 m. (DAF 1.3)
1 folding crane, 1.5 t @ 12 m.

All particulars believed to be correct but not guaranteed.

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