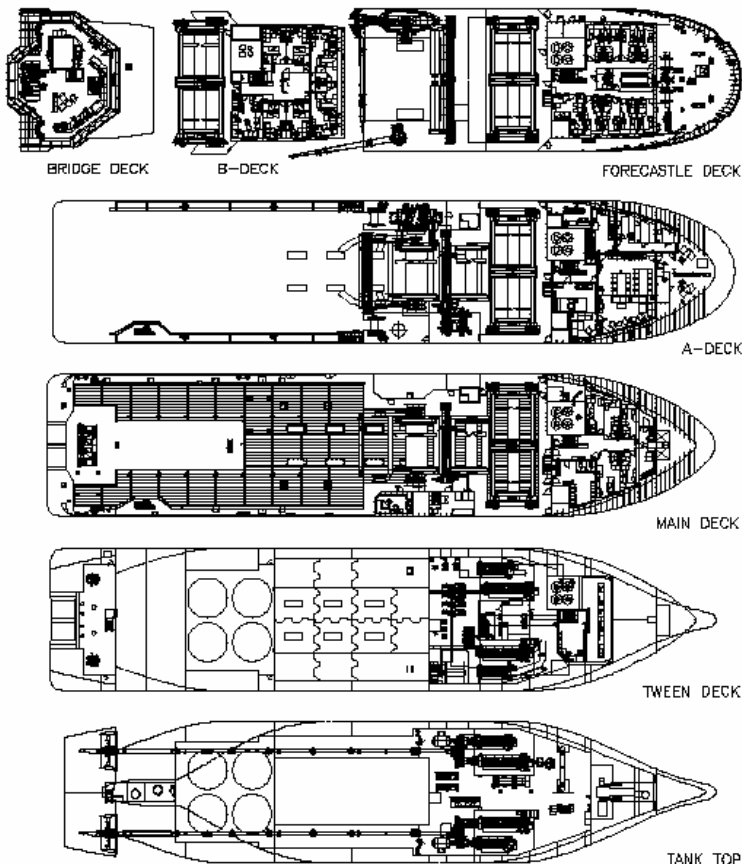




Anchor handling tug supply DP 2
for deep water operations

BOURBON SURF
BOURBON BORGSTEIN

237 metric ton bollard pull
500 metric ton line pull winch



These Rolls Royce Marine design are UT 722 LX multi-functional deep water anchor handling tug supply and service vessels.

They were designed to meet the general requirements of the offshore industry.

In addition to undertaking supply duties between land bases and drilling sites, towing assistance during tanker loading, and towing of threatening objects, these vessels can perform for deep water anchor handling. They can handle mooring lines consisting of wire, chain and / or synthetic rope in water depths up to approx. 2,500 m.

These vessels are also equipped for oil recovery, ROV/DP AUTR operation, FiFi class I and stand in as a communication center.

Optional:

- Stand-by / Rescue.

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21,400 bhp

MAIN CHARACTERISTICS

Length overall:87.70 m.
Length between pp:76.00 m.
Breadth moulded:18.00 m.
Depth main deck:8.00 m.
Deadweight (approx) at 6.00 m draft: ...2,304 t.
(approx) at 6.60 m draft: ...3,117 t.
Gross tonnage:3,905 GRT.
Bollard pull:237 mt.

REGISTRATION

Type:AHTS. DP2 supply vessel Rolls Royce Marine design UT 722 LX.
Owner:Bourbon Offshore Norway.
Delivery:2003.
Builder:LANGSTEN (NORWAY).
Flag:Norwegian.
Classification: ..DNV. Class + 1A1-TUG-SF-EO-OIL REC-DYNPOS AUTR-Fi-Fi I-
Ice C-Clean- COMF-C(3)V(3) Dk + HL(2.5)-Unlimited trade.
Regulation:SOLAS, Marpol, IMO A 469 (XII).

PERFORMANCE

Trial speed:80 m³/day at 18 knots.
Economic speed:25 m³/day at 12 knots.
Consumption idle offshore: 5 m³/day, and in port: 1 m³/day.

ACCOMMODATION

- Fully air-conditioned.
- Accommodation for 31 persons composed of:
- 9 x single cabins, 11 x 2 men cabins.
- 2 offices, 1 hospital, 2 day rooms, laundry, linen, galley, drying room, provision room, conference room, incinerator room.

PROPULSION - MACHINERY

- **Main diesel engines:** 2x 3,000 kW at 750 rpm, Bergen B32:40L6P.
2x 4,500 kW at 750 rpm, Bergen B32:40L9P.
- **Shaft generators:** 2x 3,200 kVA at 1,200 rpm, MDO 440 V/60 Hz.
- **Auxiliary generators:** 1x 1,070 kVA , 450 V/60 Hz.
1x 750 kVA , 450 V/60 Hz.
- **Emergency generator:** 1x 105 kVA, 450 V/60 Hz.
- **Main propellers:** 2x with CPP (diameter: 4,100 mm).
- **Tunnel thrusters aft:** 2x 883 kW electric driven.
- **Tunnel thruster forward:** 1x 883 kW electric driven.
- **Azimuth thruster forward:** 1x 883 kW electric driven.
- **Rudders:** 2 independent flap rudders giving side thrust.

TOWING/ANCHOR HANDLING WINCH

- **Main winches:** 1 waterfall type Brattvaag BSL500WX/SL400WX.
- **1 drum:** 1,500 mm dia. x 3,900 mm length + 1,100 mm socket.
- Wire capacity: 5,570 m of 3^{1/4"}, brake hold on first layer 625 t.
- Low gear: Hoisting on first layer:400 t at 0-15 m/min.
Dynamic braking on first layer: 100-500 t at 0-30 m/min.
- **1 drum:** 2,800 mm dia. x 3,900 mm length + 1,100 mm socket.
- Wire capacity: 9,650 m of 3" brake hold on first layer 550 t.
- Low gear: Hoisting on first layer:500 t at 0-18 m/min.
Dynamic braking on first layer: 125-625 t at 0-24 m/min.
- **Secondary winches:** 4x Brattvaag ALM 63125U winches comprising 1 drum each with dividing flange and spooling device.
- **Bare drum:** 1,500 mm dia. x 3,650 mm length + 1,100 mm length socket compartment, capacity 1,300 m of 8" synthetic rope.
- wire capacity 2,700 m of 3^{1/2"} (maximum weight 100 t)
- 138 t pull at 0-22 m/min, 170 t dynamic braking at max. 44 m/min, holding load 150 t on band brake.
- **Wire:** 2,500 m of 3^{1/2"}.
- **Towing pins:** 4 hydraulic units, rated for 8 inch capacity, SWL 330 t.
- **Shark jaws:** 2 rated for 8 inch capacity, SWL 750 t.
- **Wild Cats:** 2x 3", 2x 3^{5/16"}, 1x 4^{1/8"}, 1x 4^{7/8"}.
- **Windlass/mooring winch:** 1x 15 t pull at 0-13 m/min.
- **Tugger winches:** 2x 20 t pull at 0-21m/min.
- **Capstans:** 2x 15 t at 0-22 m/min.- light line at 0-70 m/min.
- **Stern roller:** dia. 3.50 m x 3.00 + 3.00 m length, SWL 500 t each.

CAPACITIES & PUMPS

Cargo deck area: 500 m², (33.00 x 15.30 m) 5t/m² & 10 t/m²
Capacity:1,000 t
Cargo chain lockers: ...840 m³ (comprising 6 lockers with a capacity of 1,500 m³ / 3" chain each).
Fuel oil:1,220 m³...Pump 1x 250 m³/h at 9 bars
Oil recovery:1,032 m³...Pump 1x 250 m³/h at 9 bars
Liquid mud (2.5 SG): .561 m³...Pumps 2x75 m³/h at 9 bars
Brine (2.0 SG):835 m³...Pumps 2x75 m³/h at 9 bars
Fresh water:500 m³...Pump 1x 250 m³/h at 9 bars
Water ballast:1,200 m³...Pump 1x 250 m³/h at 9 bars
Drill water:1,200 m³...Pump 1x 250 m³/h at 9 bars
Dry bulk cargo tanks: 283 m³ Compres. 2x 27 m³/mn at 5,6 bars

ELECTRONICS

- 1 radar X-band,
- 1 radar S-band,
- 1 gyrocompass system with repeaters,
- 1 echo sounder,
- 1 speed log,
- 1 GPS,
- 1 DGPS (to DP application),
- 1 radio system compliant with GMDSS A3 rules.

DP SYSTEM (class II)

Comply with class notation Dyn Pos AUTR.
- 3 gyro compasses,
- 2 wind sensors,
- 2 RMU,
- 2 DGPS,
- 1 HPR, (HiPaP),
- 1 FANBEAM.

SPECIAL EQUIPMENT:

- **FIFI I:** 1 pump 2,400 m³/h, 2 monitors 1,200 m³/h each.
- **Life boat:** 1 MOB boat with davit, life rafts with equipment.
- **Cranes:** 2 off deck, rescue/provision crane, capacity 10 t. at 15 m radius.
- 1 off pallfinger-crane starboard aft, for deck/anchor/chain handling service, capacity 23 t/m, max. 16,9 m radius.

All particulars believed to be correct but not guaranteed.

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