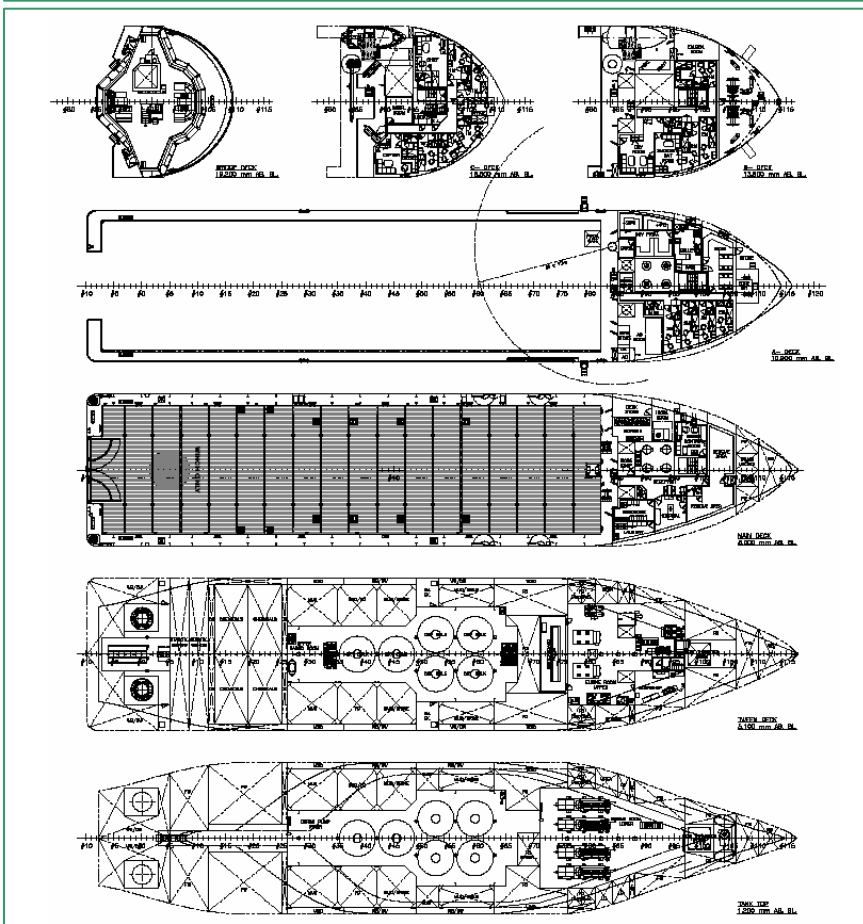




DP 2 diesel electric platform support vessel  
for deep water operations

**BOURBON MISTRAL**  
**BOURBON MONSOON**

4,720 t deadweight



These ULSTEIN PX 105 are large and reliable platforms for transport of bulk and general cargo to offshore installations, designed to meet the future demands of the offshore industry.

They are arranged for oil recovery operations and satisfy the clean design's class requirements.

These vessels surpass industry standards with regard to cargo capacities and performance, and fully comply with requirements for energy efficiency and conservation.

The fully redundant dynamic positioning class II gives her an exceptional maneuverability.

20-12-2006



# DP 2 diesel electric platform support vessel for deep water operations

## BOURBON MISTRAL & BOURBON MONSOON

### 8,475 bhp

#### MAIN CHARACTERISTICS

Length overall: .....88.80 m  
Length between perpendicular: .....82.00 m  
Beam: .....19.00 m  
Depth: .....8.00 m  
Design draft: .....6.00 m  
Max draft: .....6.50 m  
Deadweight at max draft: .....4,720 mt

#### REGISTRATION

Type: .....DP2 Platform Supply Vessel (PSV), design PX 105.  
Owner: .....Bourbon Offshore Norway.  
Year built: .....2006.  
Builder: .....Ulstein Verft AS (Norway).  
Flag: .....Norwegian.  
Classification: DNV  $\star$  1A1, SF, EO, DYNPOS-AUTR, OILREC, CLEAN,  
COMF-V(3), LFL\*, DK(+), HL(+), NAUT-OSV (LOC only).

#### PERFORMANCE & CONSUMPTION

Max speed: .....16 knots.

#### ACCOMMODATION

- Fully air-conditioned.
- Accommodation for 22 persons composed of:
  - 6 x single cabins,
  - 4 x 2 men cabins,
  - 2 x (2+2) men cabins,
- Galley, provision room, stores, 1 mess, 2 day rooms, laundry, 2 offices, change room, gymnasium.

#### PROPULSION - MACHINERY

- **Main diesel generators:**
  - 4x 1,580 kW, total 6,320 kW ( 8,475 hp) at 900 rpm.
- **Main propulsion:**
  - 2x 2,700 kW (3,620 hp) electrical motors with SCHOTTEL Combi Drive SCD 20202 type, azimuth thrusters steerable 360 degrees. Diameter: 2,650 mm each.
- **Emergency generator:** 1x 315 kW (420 hp) 440 V/60Hz.

#### THRUSTERS

- **Tunnel thruster forward:** 1x 1,200 kW (1,600 hp) at 1,200 rpm, fixed pitch variable speed type, electrically driven.
- **Retractable azimuth thruster forward:** 1x 850 kW (1,140 hp) at 1,200 rpm, fixed pitch variable speed type, electrically driven.

#### DECK EQUIPMENT/MACHINERY

- **Tugger winch:** 1x 15 mt pull.
- **Anchor Windlass:** 1 combined windlass/mooring 10/15 t pull.
- **Deck work/provision crane:** electro-hydraulic, 2 mt @ 17 m.
- **Roll reduction system:** 1 of roll reduction tank, medium to be ballast water.
- **Life appliances:** 1x MOB boat with davit SOLAS cargo ship safety equipment, life rafts with equipment.
- **Fire fighting system (class I):**
  - 2 pumps 1,500 m<sup>3</sup>/h,
  - 2 monitors 1,200 m<sup>3</sup>/h each.
  - Deluge system.
- Prepared for HIPAP, gate valve ND 500, with blind flange. Required space for HPR is reserved.

#### DYNAMIC POSITIONING SYSTEM (Class II)

(Comply with DNV notation, DYNPOS AUTR DP).  
Kongsberg DPS 2 system with components, software modes and reference systems as per class II requirements.

#### CAPACITIES

Cargo deck area: (62,20x16,00 m).....1,000 m<sup>2</sup>  
Deck load (at 1 m CG): (10 mt/m<sup>2</sup> & 23 mt/m<sup>2</sup> axle load) 2,700 mt  
Fuel oil cargo: .....900 m<sup>3</sup>  
Base oil: .....250 m<sup>3</sup>  
ORO: .....1,040 m<sup>3</sup>  
Fresh water: .....900 m<sup>3</sup>  
Water ballast/Drill water: .....1,200 m<sup>3</sup>  
Dry bulk: (6 tanks 50 m<sup>3</sup>).....300 m<sup>3</sup>  
Liquid mud: .....1,450 m<sup>3</sup>  
Chemicals: .....330 m<sup>3</sup>

#### CARGO DISCHARGE PUMPS

Fuel oil cargo (ORO): .....2x 250 m<sup>3</sup>/h at 9 bars  
Base oil : .....1x 150 m<sup>3</sup>/h at 9 bars  
Fresh water: .....2x 250 m<sup>3</sup>/h at 9 bars  
Ballast/Drill water: .....2x 250 m<sup>3</sup>/h at 9 bars  
Liquid mud (LM): .....4x 100 m<sup>3</sup>/h at 24 bars  
Brine: .....2x 100 m<sup>3</sup>/h at 9 bars  
Chemicals: .....4x 100 m<sup>3</sup>/h at 9 bars  
Dry bulk: .....2 compressors rated for 1,800 m<sup>3</sup>/h each at 5.6 bars

#### ELECTRONICS

- 2 radars with ARPA, 1 ECDIS charting system,
- 3 navigator gyrocompasses (combined use with DP-system),
- 1 GPS for navigation,
- 1 echo sounder, 1 speed log, 1 autopilot, 1 weather fax,
- 1 Iridium, 1 Inmarsat Fleet-77 with fax,
- 1 PABX system with PA,
- 2 radar transponders,
- 3 UHF Fixed and 6 UHF portable,
- 5 VHF Fixed, 1 VHF direction finder,
- MF/HF direction finder,
- 1 AIS, 1 VDR, 1 sound reception system, 1 bridge alarm system,
- 1 SSAS, 1 watch monitoring system,
- 1 conning computer (2 monitors),
- 2 Mobile telephones,
- 1 Satcom C,
- 1 radio system compliant with GMDSS A3 rules,
- 1 Ulstein internal communication system.
- 1 Independent joystick system.

#### CONTROL & SAFETY

- Fully integrated DP/control dual redundant system,
- Alarm, monitoring and control system for periodically unattended machinery space.
- Tank level measurement.
- Remote control & monitoring of dry bulk systems.

(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](http://www.bourbon-online.com) - E-mail: [bourbon-offshore@bourbon-online.com](mailto:bourbon-offshore@bourbon-online.com)