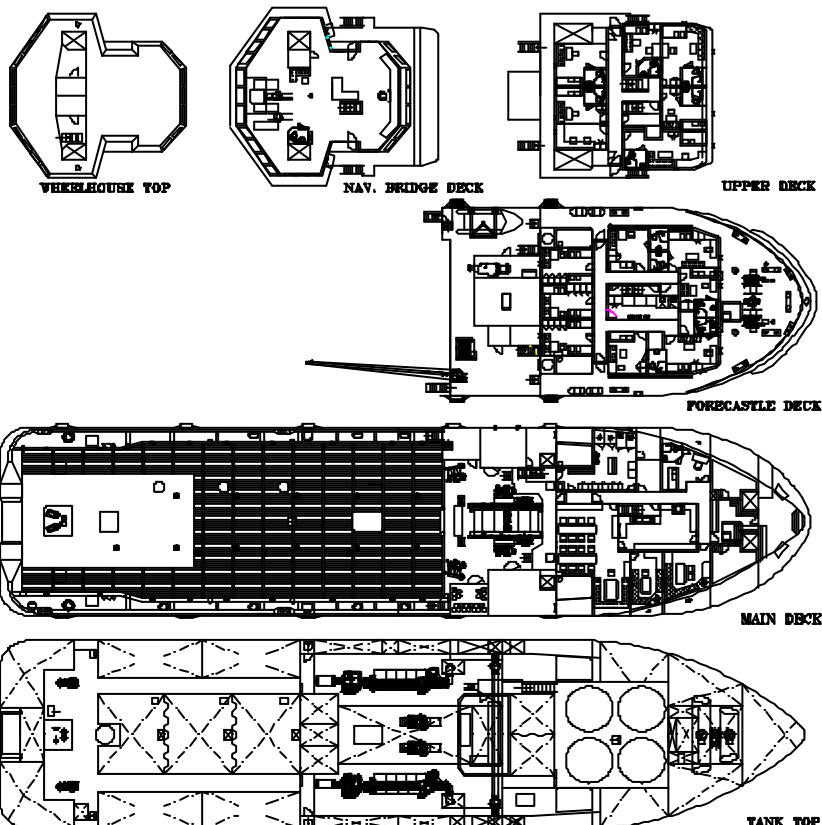




# DP 1 Anchor handling tug supply vessel

## **BOURBON SIRIUS**

75 Metric ton bollard pull  
150 Metric ton line pull winch



These anchor handling tug supply vessels were designed by CONAN WU to carry out general services for the offshore industry.

They are fitted with a class DP 1 system, Fi-Fi I system, and easy to upgrade for standby/service duties.

They are equipped with a waterfall double drum winch with large capacity suitable for towing, anchor handling and offshore terminal operations.

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# DP 1 Anchor handling tug supply vessel

## BOURBON SIRIUS

5,380 bhp

### MAIN CHARACTERISTICS

Length overall: .....64.80 m.  
Breadth moulded: .....16.00 m.  
Depth main deck: .....5.80 m.  
Max draft: .....4.90 m  
Deadweight at max draft: .....1,669 t.  
Bollard pull: .....75 t.  
Gross/Net tonnage: .....1,966/590

### REGISTRATION

Type: .....AHTS. vessel CONAN WU Design.  
Owner: .....Bourbon Offshore Asia.  
Delivery: .....2007.  
Builder: .....Dayang Shipyard - China.  
Flag: .....TBN.  
Classification: BV. Class 1 ✕Hull, ✕Mach, Tug, Supply Vessel, Unrestricted navigation,  
Fire Fighting Ship I Water spray, DYNAPOS AM/AT (Class 1) ✕ AUT-UMS.  
Optional: Special Service/Stand by Rescue Vessel.

### PERFORMANCE (approx)

**Consumption:** 24 m<sup>3</sup>/day at 13 knots (maxi speed 100 %).  
19 m<sup>3</sup>/day at 12 knots (service speed 80 %).  
10 m<sup>3</sup>/day at 9 knots (economic speed 50 %).

### ACCOMMODATION

- Fully air-conditioned.
- Accommodation for 28 persons composed of:
  - 6x single cabins, 5x 2 men cabins, 3x 4 men cabins.
- 1 Office, 1 hospital, 2 mess/day rooms, laundry, galley, provision rooms, stores.

### PROPULSION - MACHINERY

- **Main engines:** 2x 1,980 kW, MAK (total: 3,960 kW = 5,380 hp).
- **Propellers:** 2 Type CPP, dia: 2,900 mm in nozzles.
- **Rudders:** 2 high lift flap type.
- **Shaft generators:** 2x 750 kVA at 1,800 rpm, 3x 450V 60 Hz.
- **Auxiliary generators:** 2x 440 kVA at 1,800 rpm, 3x 450V 60 Hz.
- **Emergency generator:** 1x 110 kVA at 1,800 rpm, 3x 450V 60 Hz.

### THRUSTERS

- **Bow thrusters:** 2x 500 kW tunnel, electrically driven with CPP

### TOWING/ANCHOR HANDLING WINCH

- **Main winch:** 1 electro-hydraulic high pressure winch composed of 2 declutchable drums in waterfall arrangement each equipped with:
  - Drum size: Dia. 900/2,090 mm x 1.800 mm length.
  - Drum capacity: 1,500 m of 2¼" steel wire rope.
  - Brake holding load: 225 t on 1 st layer.
  - Rated Pull: 150 t on 1st layer at 0-6 m/min.
  - Auto spooling device for Anchor Handling Drum.
  - 2 cable lifters 3" and 2½".
- **Windlass:** 1 combined mooring and windlass winch, 12 t SWL at 14 m/min.
- **Storage reel:** 1 electro-hydraulic unit with 1 drum.
  - Pull at 1st layer: 12 t at 0-25 m/min.
  - Drum capacity: 1,500 m of 2¼" dia. wire.
  - Drum size: 800/2,200 mm dia x 1,500 mm length.
- **Stern roller:** 1x 250 mt SWL,  
Dia: 1,500 mm, Length: 4,000 mm.
- **Towing pins:** 1 pair of vertical/retractable type, 200 t SWL.
- **Shark jaws:** 2 of 200 t SWL.
- **Tuggers:** 2x 10 t at 25m/min.
- **Capstans:** 2x 5 t at 15m/min.
- **Deck provisions crane:** 1.7 t at 14 m.

### CAPACITIES (approx) & PUMPS

Cargo deck area: .....420 m<sup>2</sup> (33x13m) @ 5.0 t/m<sup>2</sup>.  
Deck cargo : .....800 tons @ 0.9 m above deck.  
DW/WB: .....464 m<sup>3</sup> – 1x120 m<sup>3</sup>/h at 7 bars.  
Fuel oil cargo:.....607 m<sup>3</sup> – 1x120 m<sup>3</sup>/h at 7 bars.  
Fresh water: .....446 m<sup>3</sup> – 1x 120 m<sup>3</sup>/h at 7 bars.  
Liquid mud/Brine: .....392 m<sup>3</sup> – 1x 120 m<sup>3</sup>/h at 7 bars.  
Liquid muds tank are designed for products up to 2.5 sg and are equipped with agitators and circulation.  
Chain locker/Brine/Mud: .....112 m<sup>3</sup>.  
Dispersant: .....20 m<sup>3</sup>.  
Foam: .....18 m<sup>3</sup>.  
Bulk cement.....170 m<sup>3</sup> – 4 tanks-sg 2.35-2 products  
2 air compressors– 2x20m<sup>3</sup>/min at 5.6 bars

### ELECTRONICS

- **NAVIGATION**
  - 2 radars, 1 gyrocompass, 1 magnetic compass, 1 digital echo-sounder.
  - 1 speed log,
  - 1 autopilot system,
  - 1 GPS.
- **COMMUNICATION**
  - 1 radio system compliant with GMDSS A3 rules including:
  - 1 SSB duplex DSC 2 INMARSAT C 2 VHF EPIRB SART NAVTEX,
  - 1 Iridium system,
  - 1 INMARSAT F,
  - E-mail and on-board computer network system,
  - Automatic exchange telephone system with facilities in each room.
- **JOYSTICK**

### DYNAMIC POSITIONING SYSTEM (DP 1)

Comply with class notation DYNAPOS AM/AT (class 1).  
- System allowing: dynamic positioning, automatic speed control.  
- Reference system: 1 DGPS.  
- Sensors: 1 gyrocompass, 1 wind sensor.

### SPECIAL EQUIPMENT

- **Standby Rescue Equipment for 150 survivors:** (optional).
- **Life saving arrangement:** 1 MOB (Rescue boat) with davit,
  - Life rafts with equipment,
  - Lifebuoys, life Jackets.
- **FIFI I:** 2,400 m<sup>3</sup>/h, (Remote controlled from wheelhouse).
  - 2 water monitor 1,200 m<sup>3</sup>/h at 12 bars.  
(with foam capacity 300m<sup>3</sup>/h).
  - Pumps: 2x 1,500 m<sup>3</sup>/h at 14 bars each.
  - Deluge system.
- **Pushing rubber bow fender.**

All particulars believed to be correct but not guaranteed.

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