



# BOURBON APSARA

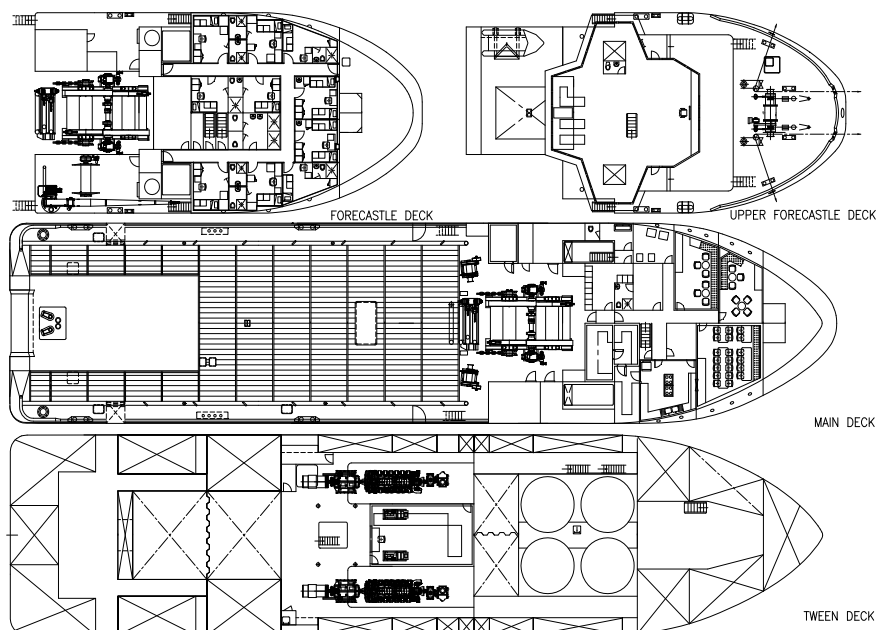
DP 1 Anchor handling tug supply vessel  
124.2 Metric ton bollard pull  
250 Metric ton line pull winch



This medium size Anchor Handling Tug Supply Vessel has been designed by CONAN WU to carry out general services for the offshore industry.

It is fitted with a class I DP system, Fi-Fi I system, and easy to upgrade for standby/service duties and DP class II.

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



ANCHOR HANDLING TUG SUPPLY VESSEL

## REGISTRATION

Vessel Name: **BOURBON APSARA**  
Type: **AHTS DP1 vessel CONAN WU Design**  
Year: **2005** / Flag: **FRENCH**  
Owner: **Bourbon Offshore**

Builder: **Keppel Singmarine - Singapore**  
Class: **BV. Class 1 ,Hull, Mach, Tug, Supply Vessel, Unrestricted navigation, Fifi I Water spray, DYNAPOS AM/AT (Class 1), AUT-UMS, Optional: Special Service/Stand by Rescue Vessel.**

Updated: 26-06-2009



# TECHNICAL SPECIFICATIONS

## AHTS - BOURBON APSARA



### MAIN PARTICULARS

#### DIMENSIONS

|                  |         |
|------------------|---------|
| Length overall:  | 67.00 m |
| Breadth moulded: | 15.40 m |
| Depth:           | 7.00 m  |
| Draft:           | 5.95 m  |
| Deadweight:      | 2,100 t |
| Bollard pull:    | 124,2 t |
| Gross tonnage:   | 2,310   |
| Net tonnage:     | 693     |

#### CAPACITIES

|                             |                                 |
|-----------------------------|---------------------------------|
| Deck area:                  | ( 35 x 12 m ) 420 m2 @ 5.0 t/m2 |
| Deck cargo:                 | 1,200 t                         |
| Fuel oil:                   | 1,230 m3                        |
| Drill water:                | 500 m3                          |
| Fresh water:                | 270 m3                          |
| Liquid mud / Brine:         | 400 m3                          |
| Dry bulk/Cement:            | 250 m3                          |
| Chain locker / Brine / Mud: | 200 m3                          |
| Dispersant:                 | 15 m3                           |
| Foam:                       | 24 m3                           |

#### DELIVERY RATES

|                             |                            |
|-----------------------------|----------------------------|
| Fuel oil:                   | 150 m3/h at 9 bars         |
| Drill water:                | 150 m3/h at 9 bars         |
| Fresh water:                | 150 m3/h at 9 bars         |
| Liquid mud:                 | 75 m3/h at 15 bars         |
| Dry Bulk / Cement:          | 2 x 1,800 m3/h at 5.6 bars |
| Chain locker / Brine / Mud: | 75 m3/h at 15 bars         |

#### ACCOMMODATIONS

|                                                    |         |
|----------------------------------------------------|---------|
| Accommodations for:                                | 30 pers |
| Single cabins:                                     | 6       |
| 2 man cabins:                                      | 8       |
| 4 man cabins:                                      | 2       |
| Hospital:                                          | 1       |
| Mess / Day rooms, Laundry, Galley, stores, Office. |         |
| Fully air conditioned.                             |         |

### MACHINERY / PERFORMANCE

#### PROPULSION - MACHINERY

|                       |              |
|-----------------------|--------------|
| Main engines:         | 2 x 4,060 kW |
| Propellers:           | 2 type CCP   |
| Bow thrusters:        | 2 x 600 kW   |
| Stern thruster:       | 600 kW       |
| Shaft generators:     | 2 x 1,600 kW |
| Auxiliary generators: | 2 x 350 kVA  |
| Emergency generator:  | 60 kW        |

#### SPEED / CONSUMPTION

|                       |                        |
|-----------------------|------------------------|
| Maximum speed (100%): | 38/40 t/day @ 14 knots |
| Service speed (80%):  | 25/28 t/day @ 12 knots |

### EQUIPMENT & ELECTRONICS

#### DECK EQUIPMENT

|                                                                                                                    |                                       |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Main winch: Composed of 1 Electro-Hydraulic high pressure winch and 2 declutchable drums in Waterfall arrangement. |                                       |
| Rated pull:                                                                                                        | 150 t @ 6 m/min                       |
| Brake holding load:                                                                                                | 225 t                                 |
| Drum size:                                                                                                         | 900 / 2,500 mm x 2,500 mm length      |
| Drum capacity:                                                                                                     | 2,000 m of 3"                         |
| Windlass:                                                                                                          | 1 combined mooring and windlass winch |
| Stern roller:                                                                                                      | 300 mt SWL                            |
| Towing pins:                                                                                                       | 1 pair 300 t SWL                      |
| Shark jaws:                                                                                                        | 2 of 300 t SWL                        |
| Tuggers:                                                                                                           | 2 x 11 t @ 18 m/min                   |
| Capstans:                                                                                                          | 2 x 10 t @ 15 m/min                   |
| Deck provisions crane:                                                                                             | 2 t @ 15 m                            |

#### SAFETY EQUIPMENT

|                                                         |                                                     |
|---------------------------------------------------------|-----------------------------------------------------|
| Fire Fighting (Fifi 1):                                 | 2 pumps of 1,500 m3/h.<br>2 monitors of 1,200 m3/h. |
| MOB boat with davit.                                    |                                                     |
| Life saving arrangement.                                |                                                     |
| Standby Rescue Equipment for 150 survivors: (optional). |                                                     |

#### 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 |
| 1 SSB Duplex DSC                       |
| 2 INMARSAT C/2 VHF EPIRB               |

#### DYNAMIC POSITIONING SYSTEM

|                                                       |            |
|-------------------------------------------------------|------------|
| Type:                                                 | Class DP1. |
| - Sensors and monitoring as per class I requirements. |            |

*All particulars believed to be correct but not guaranteed*

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