



# BOURBON EVOLUTION 800 - MPSV

DP3 Multi-Purpose support vessel  
4,858 t deadweight



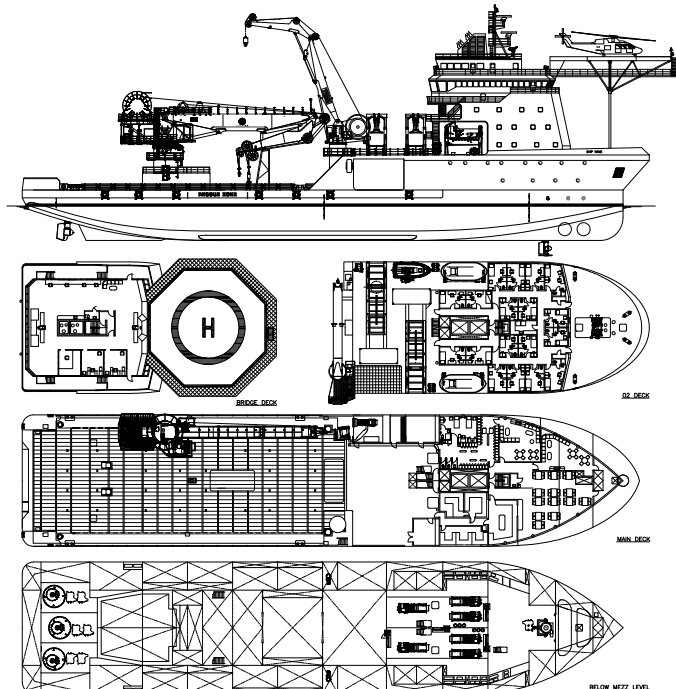
**BOURBON EVOLUTION 800** is a GPA design, diesel electric, DP3, multipurpose subsea services support vessel with twin deep AHC water crane, triple stern drive azimuth propeller, triple bow propeller and accommodation for 105 persons.

The vessel is designed for world-wide, deep water operations to fulfill the following duties.

- Deepwater precision lifting and installation up to 3,000 m.
- ROV Operations.
- Survey operations.
- Maintenance of floating hoses.
- Maintenance of SPMs buoys.
- Fire-fighting.
- Oil recovery operations.
- Stand-by rescue.

Option: 8 points moorings system.

- 8.00 x 8.00 m moonpool.
- Saturation diving.



MULTI-PURPOSE SUPPORT VESSEL

## REGISTRATION

Vessel Name: **BOURBON EVOLUTION 800** .

Type: **DP3 MPSV, GPA 696**.

Class: I ✕ HULL MACH, Offshore Supply Vessel, Oil Recovery Ship, Chemicals products, Oil products, Special service/Stand by rescue Vessel (150 survivors in tropical area) Fire-Fighting Ship 1 - Water Spraying, Unrestricted navigation, ✕ AUT-UMS, ✕ ALM, ✕ DYNAPOS AM/AT-RS, ✕ SDS, COMF-NOISE 3, COMF-VIB3, CLEANSHIP SUPER 7.

Year: **2011**.

Owner: **Bourbon Offshore**.

Builder: **Zhejiang Shipbuilding Co.**

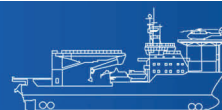
Flag: **TBA** .

Updated: 08-02-2012



# TECHNICAL SPECIFICATIONS

## MPSV - BOURBON EVOLUTION 800 series



### MAIN PARTICULARS

#### DIMENSIONS

Length overall: .....	100.20 m
Breadth moulded: .....	21.00 m
Depth: .....	8.00 m
Draft: .....	6.00 m
Deadweight at max. draft (6.35m): .....	4,858 t
Bollard pull: (for info).....	70 t
Light ship: .....	4,033 t
Displacement at max draft: .....	9,992 t

#### CAPACITIES

Clear deck area: (5t/m <sup>2</sup> , 10 t/m <sup>2</sup> aft) .....	940 m <sup>2</sup>
Sheltered deck area: (5 t/m <sup>2</sup> ) .....	130 m <sup>2</sup>
Mezzanine deck area: .....	230 m <sup>2</sup>
Deck cargo: .....	1300 t
Fuel oil: .....	1,096 m <sup>3</sup>
Oil recovery: .....	300 m <sup>3</sup>
Fresh water: .....	946 m <sup>3</sup>
Ballast water: .....	2,508 m <sup>3</sup>
Special products / Methanol: .....	374 m <sup>3</sup>

#### ACCOMMODATIONS

Accommodations for: .....	105 pers
Single cabins: .....	33
2 man cabins: .....	36
Office: .....	4
Conference room (10 pers): .....	1
Hospital: .....	1
Mess / Day rooms: .....	2
Laundry: .....	1
Galley: .....	1
Workshop: .....	2
Moonpool (not open-option): .....	8.00 x 8.00 m
Below deck workshop: (no moonpool).....	32.00 x 12.00 m
Hatch: 7.00 x 3.00 m (stern) and 6.80 x 3.00 m (forward).	

#### TRANSFER

Fuel: .....	150 m <sup>3</sup> /hr @ 7 bars
Fresh water: .....	150 m <sup>3</sup> /hr @ 7 bars
Active anti heeling ballast: .....	2 x 1,500 m <sup>3</sup> /hr
Special products / Methanol: .....	2 x 100 m <sup>3</sup> /hr @ 9 bars

### MACHINERY / PERFORMANCE

#### PROPULSION - MACHINERY

2 separate engine rooms - Main generators.6 x 1,235 kW - 600 V  
 Stern azimuthing propellers FP: .....3 x 1,686 kW  
 Bow thrusters FP: .....2 x 843 kW Tunnel  
 Azimuth thruster forward retractable: .....1 x 843 kW  
 Deck service Air compressor: .....1,200m<sup>3</sup>/h @ 6,3bars  
 Emergency generator: .....450 kW  
 Deck ROV power supply: .....2 x 500 kW - 480 V  
 Nitrogen plant, Incinerator.

#### SPEED & CONSUMPTION (Information only)

Maximum speed (100%): .....	12 knots - 26 t/day
Economic speed: .....	10 knots - 18 t/day
Stand-by at port: .....	3 t/day
Stand-by on DP: .....	12 t/day

### EQUIPMENT & ELECTRONICS

#### DECK EQUIPMENT

Main deep water crane AHC knuckle boom hydramarine.  
 Main winch, crane capacity:  
 - Harbour lift 150 t @ 10 m.  
 - Offshore DAF 1.3, 150 t @ 10m, 35 t @ 25 m.  
 - Offshore BV load curve 4: 110 t @ 10 m.  
 2nd winch: AHC -20 t @ 36m - man riding.  
 2nd deck deepwater AHC offshore crane SMST:  
 - 40 t @ 9m - 20 t @ 21 m (harbour).  
 - 40 t @ 9m - 12 t @ 21 m (Offshore).  
 Man riding.  
 Deck generator: ..... 1 x 1,235 kW - 600 V  
 Capstans: .....2 x 10 t  
 Tugger winch: .....2 x 15 t  
 Helideck: .....S61 / super Puma

Option: 8 points mooring system, 50 t 1st layer, 25 t upper layer, break 100 t (1st layer) 1,200 m cable, 38mm dia.

#### SAFETY EQUIPMENT

Fire Fighting (Fifi 1)  
 - Pumps: 2 pumps 2,400 m<sup>3</sup>/h, monitors: 2 x 1,200 m<sup>3</sup>/h.  
 Fast rescue craft.  
 150 persons rescue equipment as per SOLAS/BV.

#### ELECTRONICS

#### DYNAMIC POSITIONING (BV class DYNPOS AT RS-DP3)

Converteam  
 2-DGPS Aquarius Thales type 1 & 2  
 1 USBL Sonardyne  
 Laser (cyscan)  
 MRU type DMS05 & RP25, 2 wind sensors, 3 Meridian TSS gyro

#### NAVIGATION

1 radar S-band-1 radar X-band -1 radar slave

#### COMMUNICATION

UHF, VHF, V-Sat C, Fleet 77  
 KU band 128 kb  
 Cat 5 network, Video network, Telephone/video in all cabin

*All particulars believed to be correct but not guaranteed*

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