



# TECHNICAL SPECIFICATIONS

## PSV - BOURBON PX 105 MACS.



### • MAIN PARTICULARS

#### DIMENSIONS

Length overall:.....88.90 m  
 Breadth moulded:.....19.00 m  
 Depth:.....8.00 m  
 Max Draft:.....6.60 m  
 Deadweight:.....4,250 mt  
 Gross / Net tonnage: .....3,950 / 1,185

#### CAPACITIES

Cargo deck area:.....(62,28m x16,07 ) 1,017 m<sup>2</sup>  
 Deck load: (10 mt/m<sup>2</sup>).....2,421 m<sup>3</sup>  
 ORO:.....1,914 m<sup>3</sup>  
 Fresh water/FW cargo: (265 m<sup>3</sup>/545 m<sup>3</sup>).....810 m<sup>3</sup>  
 Ballast/Drill water (WB tank).....1,627 m<sup>3</sup>

#### **MACS TANKS:** (8 tks/ total: 925 m<sup>3</sup>).

- 4 tks: (dry bulk/mud/brine/FOC/GLY/base oil/ORO/slop/DW).....392 m<sup>3</sup>
- 4 tks: (mud/brine/FOC/GLY/base oil/ORO/slop/DW).....533 m<sup>3</sup>

#### **PRODUCT TANKS:** ( 6 tks/ total: 538 m<sup>3</sup>).

- 2 tks: (mud/brine/FOC/GLY/base oil/slop/ORO/DW).....184 m<sup>3</sup>
- 4 tks: (brine/FOC/GLY/base oil/Slop/ORO/DW).....354 m<sup>3</sup>

(The vessel can take a range of NLS products allowed for IMO Type 3 vessels, in total max: 800 m<sup>3</sup>).

#### **LOW FLASH POINT LIQUID TANKS (LFL\*):** (total: 450 m<sup>3</sup>).

- 6 tk: (meth/XYL/GLY/base oil/FOC/slop/ORO/DW/FW cargo in 2 tks).

#### DELIVERY RATES

Fresh water pumps:.....x 250 m<sup>3</sup>/h at 9 bar  
 Ballast pumps:.....2x 250 m<sup>3</sup>/h at 9 bar  
 MACS cargo: (x8) 30 m<sup>3</sup>/h, 75 m<sup>3</sup>/h at 18 bar, 100 m<sup>3</sup>/h at 8 bar  
 Chemicals (LFL\*) pumps: .....6x 75 m<sup>3</sup>/h at 9 bar  
 Product pumps:.....6x 75 m<sup>3</sup>/h at 9 bar  
 Product tanks: x2 agitators for each of the two aft tanks.  
 MACS tanks system: x1 agitator for each tank.

#### ACCOMMODATIONS

Accommodations for:.....25 pers.  
 Single officer cabins:.....2  
 Single cabins:.....13  
 2 man cabins:.....5  
 Mess room:.....1  
 Day rooms:.....2  
 Galley, dry provisions, cooler & freezer room, stores.  
 Offices, conference room, hospital, gymnasium.  
 Separate engine control / instrument rooms on main deck.  
 Fully air-conditioned.

### • MACHINERY / PERFORMANCE

#### PROPULSION - MACHINERY

Main Diesel generators engines: .....4 x 1,700 kW  
 Main propulsion: Twin propeller azimuth thrusters .....2 x 2,500 kW  
 Bow tunnel thrusters:.....2 x 1,400 kW  
 Bow retractable azimuth thruster:.....1 x 850 kW  
 Harbour generator:.....425 kW  
 Emergency generator:.....160 kW

#### SPEED / CONSUMPTION

Maximum speed (100%):.....15.5 knots

### • EQUIPMENT & ELECTRONICS

#### DECK EQUIPMENT

Tuggers:.....1x 15 mt pull / 1 x 10 mt pull.  
 One double hydrolic combined windlass / mooring winch.  
 Deck cargo lashing winches: .....x6 each side.  
 Three passive roll reduction tanks.  
 One telescopic boom crane:.....2 mt @17 m

#### SAFETY EQUIPMENT

Fire Fighting (Fifi 1): 2 pumps 1,600 m<sup>3</sup>/h, 2 monitors 1,200 m<sup>3</sup>.  
 Foam. Water spray protection.  
 Alarm, monitoring and control system for periodically unattended machinery space.  
 Life saving arrangement:  
 1 fast rescue boat (for 10 pers) with davit.  
 Medical package for 250 survivors.

#### ELECTRONICS

##### - NAVIGATION

2 radars with ARPA, 2 radars transponders,  
 2 gyrocompasses, 1 echo sounder,  
 1 speed log, 2 autopilot, ECDIS,  
 VDR, AIS.

##### - COMMUNICATION

1 radio system compliant with GMDSS A3 rules.  
 Satcom C, Fleet 77, SevSat.

#### DYNAMIC POSITIONING SYSTEM

Type:.....Class DP2  
 2 operating consoles, 2 DGPS.  
 1 laser reference unit, 1 Radius reference system.  
 1 independent joystic system,  
 Sensors and monitoring as per class II requirements.

*All particulars believed to be correct but not guaranteed*