



POLARIS



VESSEL SPECIFICATIONS

Name	POLARIS
Port of Registry	Isla del Carmen
Call Signal	XCAP5
IMO Number	9699086
Flag	Mexico
Year of Build	2014
Name and Nationality of Owner	Cotemar S.A. de C.V., Mexican
Class	DNV-GL :1A HSLC Crew R2 (Gulf of Mexico within 150 miles from shore)

DIMENSIONS

Length	41.70 m
Breadth	7.30 m
Depth	3.50 m
Maximum operating draft	1.73 m
Hull	Aluminium
Speed	20 knots
Gross tonnage	246 t
Net tonnage	74 t
Fuel capacity	49.205 m ³
Drinking water capacity	37.83 m ³

POWER GENERATION

The POLARIS is equipped with:

- 2 Caterpillar generators model C4.4, with a capacity of 86 KW@1500RPM 380V, 50 Hz, 3ph

PROPULSION

The POLARIS is equipped with:

- 3 Caterpillar C 32 ACERT machines with a capacity of 1450 BHP@2300RPM each, connected to their "ZF" gearbox
- 2 Bow thrusters with a capacity of 75 HP each



NAVIGATION EQUIPMENT

- 2 GPS, Furuno GP 90/Furuno GP150
- 1 Magnetic compass, Cassens & Plath Reflecta 3
- 1 Echo sounder, Furuno FE 700
- 1 AIS, Furuno FA-150
- 1 Navtex, Furuno NX700
- 2 Radars, Furuno FR2115 band X/Furuno FR1510
- 1 GMDSS, Furuno RC-1800T
- 1 Automatic pilot, Anschutz Nautopilot NP60
- 2 VHF radios, Furuno
- 3 VHF Radios, ICOM
- 1 Doppler speed log, Furuno DS-80
- 1 BNWAS BR510

ACCOMMODATIONS

The POLARIS vessel can accommodate 12 people in 6 cabins, which are distributed as follows:

- 2 Cabins with one bed; 3 cabins with one double bed each; and 1 cabin with 4 beds. All cabins are equipped with two bathrooms
- The passenger area has seats for 100 people and two fully equipped bathrooms

AIR CONDITIONING SYSTEM

Integrated air conditioning system with sufficient capacity to comfortably cover the needs of the entire vessel facilities.

AREA AND RESISTANCE OF THE MAIN DECK

- Area: 93 m²
- Cargo resistance on deck: 2 t/m²

WASTEWATER TREATMENT SYSTEM

1 Ecomar 16 treatment plant with a capacity for 65 people 6 m³/day. The wastewater treatment plant complies with the MARPOL standards, Exhibit IV, and Mexican standard NOM 001-SEMARNAT-1996.

LIFE SAVING EQUIPMENT

- 1 Rescue boat that fits 6 sailors
- 6 Life rafts that fit 30 people each
- 2 Life rafts that fit 25 people each
- 8 Life buoys distributed on the port side and starboard side, according to the safety plan
- 126 Life jackets: 12 are in the cabins, one for each crewmember; 100 are in the passenger area; and the rest are distributed according to the safety plan (that means 14 additional life jackets)
- 1 Station with complete firefighting equipment

MEDICAL EQUIPMENT

- 1 OMRON bamanometer
- 1 Neil Robertson stretcher
- 1 Sphygmomanometer
- 2 Collars
- 1 Ambu portable defibrillator rescue mask

COMMUNICATIONS

- The vessel has fixed and portable VHF equipment, which are located at strategic points throughout the vessel
- It also has full Global Maritime Distress Signal System (GMDSS) that is ready for navigation on zones A1, A2, and A3
- The vessel is fitted with a Skyfile satellite mail system (for mail service only)
- Public announcements and emergencies equipment
- Direct intercom (command bridge/control room/machine room/crewmember cabins)

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