

PRO:ZERO BOATS



Military – Police – Work



PRO:ZERO 12.0m FRB PATROL



This boat has been designed to meet the requirements for patrol / SAR and customs service boats.

Benefits from being significantly lighter than market average by having lower fuel consumption. Supporting the great and proven sailing capabilities.

PRO:ZERO 12.0m FRB PATROL

Design: 2015 | 5000-01-09

Length overall: 12m

Beam overall: 2,69m

Daft (full load): 0,65m

Engines: Double inboard diesel + Water Jet

DIMENSIONS:

Length, Overall: 12.02 m
Beam Overall (with fender): 2.69 m
Beam (without fender): 2.34 m
Draft (full load, hull): 0.65 m
Height above waterline: 1.90 m
Height keel-console top (transport): 2.55 m
Displacement Light weight aprox.: 4.500 kg
Displacement Full load aprox.: 8.000 kg
Crew: 3
Capacity :11 passengers
Maximum Load: 2500 kg (including passengers)

OPERATIONAL FEATURES

Speed (max): 60 kt
Speed (cruise): 40 kt
Range: 400 Nm

HULL, DECK AND SUPERSTRUCTURE:

The boat is made of a combination of glass- and carbon fiber as sandwich construction with PVC as core material.

This core material acts as a natural buoyancy reserve material, due to its lightweight and zero water-absorption. Moreover, the sandwich construction avoids the use of internal stiffeners, increasing the usable internal space.

FENDER: The fender is composed of an inflatable collar with 9 independent sections to guarantee maximum buoyancy even if one of them is punctured.

The fender has a D shape profile to increase the internal usable beam. In both sides of the boat there is a hand grab line along the fender allowing a person to easily climb into the deck from the water.

DECK:

Deck is self bailing.

3 x Shock absorbing jockey seat for the crew, with backrest and cushion.

11 x Easily removable jockey seats, each one with backrest and cushion. Multiple possibilities of distribution and configuration.

1 x Steering console of rugged construction with railings all around, windscreen, and an upper structure to deploy a weather protection for the crew.

1 x Forward storage compartment.

2 x Huge hinged engine room hatches with gas struts to assist in opening / closing.

1 x Aft + 1 x Front bed for mounting machine guns.

Foldable radar mast on top of the steering console.

Forward Storage for mooring equipment and anchor.

6 x Stainless steel mooring bites.

Watertight Stowage in forward compartments.

Aft platform integrated into the hull with inspection hatches for the water jets.

ENGINES, PROPULSION, STEERING & MANOUVERING

2 x Inboard diesel engines
2 x Water jet drives.

FUEL TANK:

1 x Structural diesel tanks integrated into the hull, with hatch and filling protection and properly sized to meet the required range.
All fuel systems are pressure tested.

ELECTRICAL SYSTEM & LIGHTING:

All electrical wiring in marine cable.
Shore power with control lamp, marked fuses, earth connection and 20 m shore cable.
Isolation transformer with earth plate for protection of galvanic corrosion.
24-volt DC electrical system.
Main switches with separate battery systems for start, navigation and consumption.
Battery charger with indicator.
Outlets distributed in
4 x Floodlights on the top of the steering console, covering all the working deck space, 360° around.
Navigational lights.

NAVIGATION & ELECTRONIC EQUIPMENT

1 x 12" Chart plotter Ray Marine
1 x Digital radar RayMarine 24 NM range
1 x Echo-sounder
1 x Magnetic compass.
1 x Fixed VHF Ray Marine

The boat is wired, but not equipped, for FLIR cameras and tactical and internal radio communication devices.

Electric engine controls. Complete engine instruments with RPM, temperature, oil pressure and voltmeter for start batteries supplied by engine manufacturer.
Fuel gauge.
Control panel for all lighting and other electrical equipment.

SECURITY EQUIPMENT:

2 x Manual bilge pump (1 in the hull's bilge and 1 in the engine room).
1 x Electrical emergency pump in bilge, manual start.
1 x Fire extinguisher at helmsman station.
1 x Fire alarm with smoke detector and 1 fixed fire fighting system in engine room.
2 x Life rafts class B with 8 person capacity each one.
1 x Air filling pump + 1 deflating pump for the fender collar.

