



5002-PROZERO 12M DC

OFFSHORE

POLICE / MILITARY

WORKBOATS





Design:	2022 5012 -ProZero 12m DC
Length overall, approx.:	12,1 m
Beam overall, approx.:	2,8 m
Draft, approx.:	0,8 m
Capacity:	Up to 6 persons
Payload:	500 kg
Engines:	1x Inboard diesel engine

Benefits:

The proven ProZero platform gives high flexibility. The nimble size and large equipment package ensure that the 12m DC is ready to a wide range of different tasks. Workstation and seats in cabin are rail mounted for versatility. A large flush aft deck ensures the possibility to perform different task in safe and trip-hazard free environment.

The design of the ProZero cabin ensures a huge amount of daylight, this also improves the personal comfort. The boat is significantly lighter than the market average which benefits fuel consumption and adds to the already proven seaworthiness. Furthermore, the cabin is mounted on rubber blocks to minimize vibrations.

The technical installations are compatible with autonomous and remote operations systems. Moreover, the engine room is prepared for hybrid operations.

OPERATIONAL FEATURES:

Speed max: 25 knots
Cruise speed: 15 knots
Fuel capacity: 300L
Range: 100 Nm

DESCRIPTION:

The boat has been built to meet the requirements from the competent authorities and operates demand.

HULL, DECK AND SUPERSTRUCTURE:

The boat is made of a combination of glass and carbon fibre as a sandwich construction with PVC as core material. This core material act 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 and offers a natural insulation capability, improving the comfort in the cabin and manned compartments.

FENDER:

The fender is constructed of closed cell polyethylene foam with a solid core that cannot lose buoyancy or absorb water. The solid construction of the fender ensures the safety of the vessel and its crew. The fender system absorbs impacts and retains integrity and shape.

DECK:

Handrails placed to allow safe passage on deck.
6 x Mooring bites.
Central placed cabin for large aft and for deck.
Flush aft working deck with cut out for easy mounting of test equipment.
Easy access via the bow with integrated steps.
Large hatch on fore deck for easy installation of equipment.
Large flush hatch on aft deck for easy maintenance.

CABIN & COCKPIT:

3 x Dampened seats in the cabin for crew and personnel + 3 foldable seats.
The two passenger seats and worktable are mounted on rails, configuration for specific task is made fast and efficient.
Defreeze system for windows with hot air blowers, with excess heat from engine.
GRP mast on top of cabin for fitting radar, antennas, blue rotating lights etc.
Cabin is optimized for on site work with high attention to minimize noise and vibration.

TECHNICAL:

ENGINES, PROPULSION, STEERING etc.

1x Inboard Volvo Penta D6 Engine
1x Z-drive with counter rotating duo propeller
1x Electric bow thruster
All propulsion and steering are compatible with third party remote and autonomous control system.

The have been allocate space and foundation in the engine for a further installation of a parallel hybrid unit

Fuel Tank:

300L integrated GRP tank for maximum usage of hull shape, centrally placed to for low effect on centre of gravity.

Technical compartment:

Space below cabin and fore deck allocated for future technical installations when needed.

ELECTRICAL SYSTEM & LIGHTING:

All electrical wiring in marine cable.
Shore power with control lamp, earth connection
12-volt electrical system.
12-volt consumption battery
Navigational lights.
Led lights in cabin and cockpit.
Fixed search light on top of cabin.

NAVIGATION & ELECTRONIC EQUIPMENT:

Complete engine instruments supplied by engine manufacturer.
Control panel for all lighting and other electrical equipment.
1 x Compass.
1 x fixed VHF.
1 x Chart plotter
1 x Radar
1 x Class B AIS

SECURITY EQUIPMENT:

3 x Automatic Bilge pumps.
3 x Manual Bilge pumps.
Fixed firefighting system in engine room.
Fire extinguishers.

DELIVERY:

All boats are launched, tested and calibrated and has gone through a scrupulous quality control at the yard in Denmark.
Delivery, hand over, test drive and technical review with customer at yard in Denmark. All boats are delivered with a complete owner's manual.