



## 5012-PROZERO 12M WALK AROUND

OFFSHORE

POLICE / MILITARY

**WORKBOATS**





<b>Design:</b>	2022	5012-ProZero 12m DC
<b>Length overall, approx.:</b>	11,5 m	
<b>Beam overall, approx.:</b>	4 m	
<b>Capacity:</b>	8 persons	
<b>Engines:</b>	2 x outboard electric engines	

**OPERATIONAL FEATURES:**

Engine setup: 2x50 Kw- Speed 6kt. Range 25Nm  
Speed 8kt. Range 10Nm

Ranges extended by fuel cell

**DESCRIPTION:**

The ProZero is designed for emission free operations and is 100% electric. Depending on needs the battery pack can be doubled in size. The engine package is compatible with autonomous and remote operations.

The layout of technical installations is prepared for a future installation of a fuel cell.

The wide hull ensures a high stability, making the workboat ideal for operations in aquaculture paired with the low impact propulsion package. The boat is significantly lighter than the market average which benefits fuel consumption and adds to the already proven seaworthiness.

The design of the ProZero cabin ensures a huge amount of daylight, this also improves the personal comfort. The open layout of the cabin gives a near 360-degree view from the operator's position.

The deck layout is with minimal clutter and enables work to be performed over both sides with the walk around cabin centrally placed.

**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 around the cabin and on deck.

6 x Mooring bites.

Full walk around cabin.

Air intake etc. integrated in cabin sides, giving a clutter free deck.

**CABIN & COCKPIT:**

4 x Dampened seats in the cabin for crew personnel + seats for 7 passengers. The fore cabin has seats for 8 passengers. Alternative seating setup with workstations is available on request.

Windscreen wipers installed on front windows.

Defreeze system for windows with hot air blowers.

GRP mast on top of cabin for fitting radar, antennas, blue rotating lights etc.

**TECHNICAL: ENGINES, PROPULSION, STEERING etc.**

2 x Outboard electrical engines

The engine package is compatible with autonomous and remote operations

**Batteries:**

2x batteries 40kWh-350V

**Fuel cell:**

Optional the vessel can be equipped with an up to 40Kw at 350V fuel cell

**ELECTRICAL SYSTEM & LIGHTING:**

All electrical wiring in marine cable.

Shore power with control lamp, marked fuses, earth connection for charging both propulsion power pack and consumption batteries.

12/24-volt electrical system.

12/24-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 Magnetic compass.

1 x fixed VHF

1 x radar

Remote and autonomous control system available on request.

**SECURITY EQUIPMENT:**

3 x Bilge pumps.

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.