



PROZERO 14M DIVE SUPPORT WORKBOAT

OFFSHORE

DEFENCE

WORKBOATS





Design:	2023	5000-05-29-04
Length overall, approx.:	13,99 m	
Beam overall, approx.:	3,83 m	
Draft (full load), approx.:	0,73 m	
Displacement (full load) approx.:	(pending)	
Capacity:	8 people	
Maximum load:	**Unknown**	
Engines:	2x inboard Diesel	

BENEFITS:

This 14 m workboat is intended for personnel transportation and support of diving operations. It consists of a cabin for 7 operators and one pilot, a control room for dive monitoring and surveillance. The aft surface enhances embarkation and disembarkation of divers with a large surface for their movements, making the task safe and comfortable. 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. The vessel is equipped with a single hoisting point to allow the boat launch and recovery.

OPERATIONAL FEATURES:

Speed: 20 kt. (max). 12-20 kt. (cruise)
Fuel capacity: 1500L.

DESCRIPTION:

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

HULL, DECK AND SUPERSTRUCTURE:

The boat is made of a combination of glass- and carbon fibre 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 and offers a natural insulation capability, improving the comfort in the cabin and manned compartments.

FENDER:

The fender is constructed of a heavy duty rubber. The D shape provides protection to the vessel and, in case of damage, it is strictly cosmetic keeping the crew safe.

DECK:

Deck and cabin are self-bailing.
Large working area in the aft deck (around 11.00 m²)
6 x mooring bites.
Aluminium railings in aft and fore deck.
Bow vented compartment for diving gas bottles with access through a hatch for maintenance and inspection operations.
2 x Umbilical racks.
Awning to provide protection on inclement weather for divers and operators.
1 x Ladder for embarking and disembarking process of divers and 1x "A" frame (350 Kg) on transom as a emergency recovery equipment in case of injured operator or diver.

CABIN & COCKPIT:

The cabin has capacity for 7 passengers + pilot. There is a toilet with WC and washbasin. Easy access from one hinged starboard side door. Kitchen.
It has a separated compartment with space for 3 dive control panels, video surveillance and recording equipment. The access is done through a hinged aft door.
All windows are glued into the structure.
Defrosting system for windows with hot air blowers.
LED lights in cabin and cockpit.
HVAC system to assure the correct climatization of the cabin.
Comfort insulation in the cabin.

TECHNICAL:

ENGINES, PROPULSION, STEERING etc.

2 x VOLVO PENTA D4-300 I
Standard steering from the cabin.
2 x DOEN DJ 110 Z waterjets

TANKS:

Structural diesel tank with hatch and filling protection.
Independent fresh water tank.
Independent black water tank with odourless filter.

ELECTRICAL SYSTEM & LIGHTING:

All electrical wiring in marine cable.
Shore power with control lamp, marked fuses, earth connection.
Isolation transformer with earth plate for protection of galvanic corrosion.
24-volt electrical system.
Main switches with separate battery systems for start, navigation and consumption.
Battery charger with indicator.
1 x AC Generator to allow diving operations with main engines off + 1 x AC Generator as emergency genset.
1 x searchlight on cabin roof, manually operated.
Navigational lights.
4 x floodlights on the working foredeck and aft deck.

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 Satellite Compass.
2 x Chart plotters
1 x Echosounder and radar

SECURITY EQUIPMENT:

Bilge pumps.
Fire extinguisher at helmsman station.
Automatic fire extinguisher system in engine room