



# SYNERGY

INNOVATIVE DIVING EQUIPMENT TRADING LLC

INSPIRING • ENGINEERING • INNOVATION



## Synergy Poseidon 76OD Workboat by Polarcirkel

The Synergy Poseidon 760D Workboat is a high-performance vessel designed to support a wide range of marine operations, particularly diving missions, emergency recovery, and offshore tasks.

The boat comes equipped with cutting-edge technology, reliable propulsion systems, and safety features, ensuring optimal performance in demanding environments.

### Key Features

- Model: Synergy Poseidon 760D Workboat
- Max Load: 2000 kg
- Inboard Engine Capacity: Volvo Penta 193.88 kW
- Outboard Engine: Yanmar Diesel D36 (36 HP) X 2 Nos
- Refurbished: Yes, refurbished in 2024
- Speed: 13N
- Boat Length: Approx. 7.6 meters
- Boat Length with Yanmar Engine: 8.8 meters
- Cradle Weight & Length - 3.5 Ton, 7170 mm x 3150 mm x 1800 mm
- Davit Capacity: 250 kg
- Diving Ladder: 1.5 meters length
- Portable Diesel Backup Generator: 5 KVA capacity (optional)
- Offshore Lifting Cradle: Available
- HP Compressor: Junior IID (optional)
- Max No. of persons: 12

### Poseidon 76OD Boat Structure

- Complete Fibro construction 760 D deep V hull
- HDPE console & upholstered ALU coxswain lean post
- Pontoon seating & upstands
- Towing pad eye with SS boss
- Rubbing strake along pontoons
- Heavy duty bollards FWD - 500kg capacity
- Bow storage/anchor compartment with ALU hatch
- Stern storage compartment with ALU hatch
- Various cleats and connecting points
- Webbed lifting slings with shackles & master link
- Internal fuel tank of 300 litre capacity

## Propulsion System



### Primary Engine:

Volvo 130 HP Inboard Engine with a 'Z' Stern Drive Unit

#### Features:

Provides powerful propulsion, stability, and maneuverability. The 'Z' stern drive unit ensures responsive control for precise navigation in various water conditions.



### Secondary Engine:

Yanmar 36 HP Diesel Outboard Engines (x2)

#### Features:

The two Yanmar 36 HP outboards offer excellent redundancy, efficient performance, and enhanced maneuverability, making the boat ideal for both calm and rough seas.

## Diving and Emergency Equipment



### Diving Access Ladder:

Over-the-side Deployed Diving Access Ladder

#### Features:

Designed for diver safety and convenience, this ladder allows easy and secure access to and from the water, even in challenging conditions.



### Davit System:

Dedicated Davit System with Hand-Operated Winch

#### Features:

Ensures fast and safe emergency diver recovery with a reliable winch system for quick deployment in critical situations.



### Diving Supervisor Control Area:

Covered 'Bimini' Diving Supervisor Control Area

#### Features:

Provides shelter and comfort for the diving supervisor, offering a clear view of diving operations while remaining protected from the elements.

## Helm and Working Areas:

Ergonomically designed spaces for effective control, monitoring, and coordination during operations.

## Safety and Life-saving Equipment:

Fully equipped with solas life-saving and safety equipment, including life jackets, first aid kits, fire extinguishers, and emergency signaling devices.

## Additional Equipment:

Additional life-saving and operational gear will be supplied during on-site mobilization as required.

### Diving Equipment (Optional)



#### Synergy SY-3DAP-D040-R-SF-3DV Diver Scuba Replacement Package(SRP)

##### Complete Diver Control System with:

- \* CCTV for monitoring divers
- \* DVR recording for recording dive activities
- \* Communication system for diver coordination
- \* Air distribution panel with connecting hoses for diver air supply

## Features:

Offers full control over diving operations, ensuring communication and safety for the divers while on mission.



## Diving Helmets:

### 2 x Kirby Morgan KM-27 Dive Helmets:

Advanced full-face mask design, built for comfort and protection, providing a secure air supply, communication, and visibility for the diver.

### 1 x Kirby Morgan KMB-18 Band-Mask:

Ideal for commercial diving applications, offering superior comfort and a reliable air supply system with clear communication.



## Breathing Air Cylinders:

6 x 50 Litre Capacity x 200 Bar Working Pressure Steel Seamless Breathing Air Cylinders

## Features:

Durable, high-pressure cylinders ensuring consistent air supply for divers during extended underwater operations.



## Diving Umbilicals

**3 x Diving Umbilicals (100 mtr length):**

**Feature:**

The umbilicals provide the necessary connection between the surface and the diver, ensuring an uninterrupted air supply and communication link.

## Applications

**Diving Support:**

The vessel is fully equipped for diving operations, offering safe and efficient systems for divers.

**Emergency Recovery of Diver:**

The davit system and diver recovery winch ensure quick and secure retrieval of divers in emergency situations.

**Marine Surveys & Inspections:**

Ideal for underwater inspections and surveys, with integrated diving and safety systems to ensure reliability in challenging conditions.

**Offshore Operations:**

Suited for offshore construction, maintenance, and other demanding maritime projects.

## Facility



**Sunroof:**

The Synergy Poseidon 760D Workboat is equipped with a sunroof, providing additional protection and enhancing comfort for the crew during operations.

The fixed 'Bimini' cover provides protection from the weather.

## Communication Equipment

**Handheld VHF Radio:**

The vessel is equipped with one handheld VHF radio

## Safety Equipment

### **First Aid Kit:**

A first aid kit is available on board for emergency medical situations.

### **Medical Oxygen Resuscitation Kit:**

Medical oxygen is available for use during emergencies.

### **Lifejackets:**

The vessel is equipped with twelve (12) 90 kg lifejackets, ensuring safety for all personnel on board.

### **Waterproof Handheld Flashlight:**

The vessel is also equipped with a waterproof handheld flashlight for emergency lighting.

## Anchoring and Mooring

### **Anchor and Anchor Cable:**

The vessel is equipped with an anchor and sufficient anchor cable, meeting the requirements of relevant regulations for the proposed area of operation.

## Navigation Equipment

### **Magnetic Compass:**

A new magnetic compass has been installed during mobilization.

## Fire Safety Equipment

### **Fire Extinguishers::**

The boat is equipped with one (1) CO2 (2 kg) and one (1) dry powder fire extinguisher to handle fire emergencies.

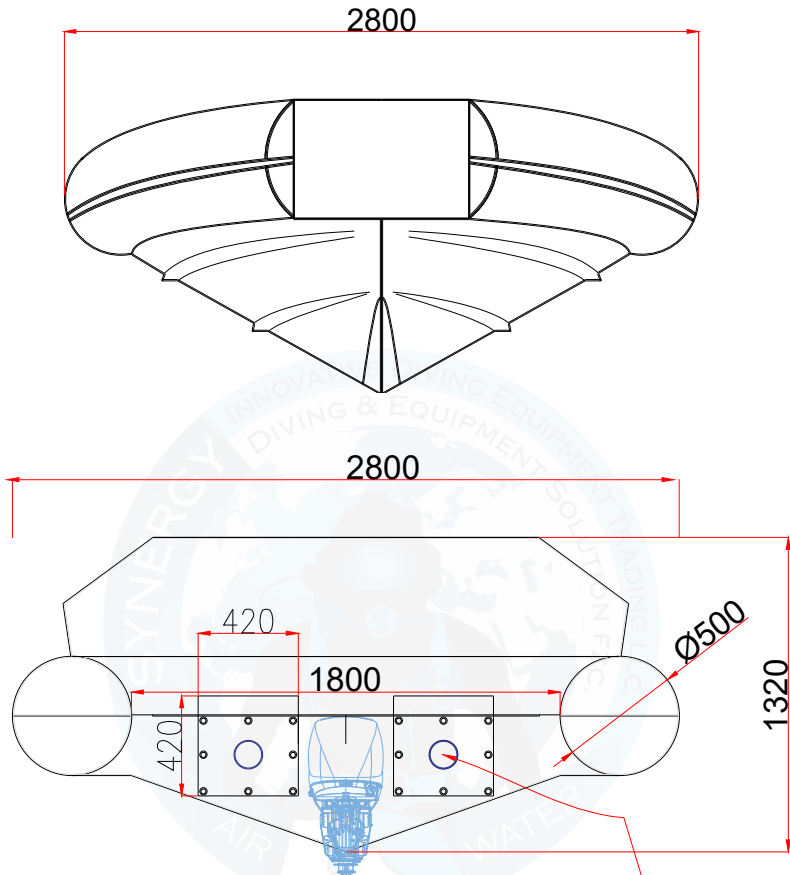
## Additional Equipment



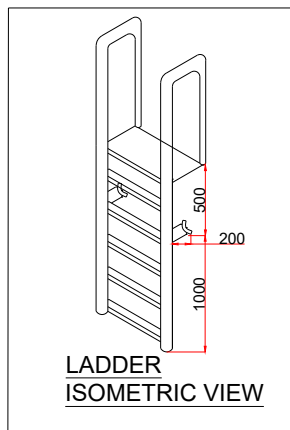
### **YDW190W Air Cooler Diesel Generator:**

The vessel is equipped with a YDW190W Air Cooler Diesel Generator, providing reliable power for operations during offshore tasks.

# Poseidon 76OD



SUPPORT MEMBER  $\varnothing 60$  & 4MM THICK







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# THANK YOU FOR CHOOSING SYNERGY

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