

## Vessel type(Rigid Rescue Boat 425 25 hp)

### Specifications:

Length: 4,45 (meters)

Height: 0,75 (meters)

Width: 1,84 (meters)

Max persons: 6

Weight boat: 409 (kilogram)

Weight davit system: 859 (kilogram)

Propulsion type: Propeller

Engine type: 25 hp outboard engine

Speed: 6 (knots)

Towing force: 1,65 kN

Lifting arrangement: Lifting sling of SWL 1100 kg

### General:

This open Rigid Rescue Boat can be equipped with various engine systems.

### Used material:

The boat is made out of fireproof glass fiber reinforced polyester, also known as GRP. The main parts are laminated independent moulds. To assure buoyancy and strength, foam is injected into certain areas between the inner liner and the hull. There are also bulkheads built up with the keel to assure hull strength.

The boat is equipped with an anti-skid deck. A fender made out of synthetic rubber is mounted around the boat hull to protect it against impact. The boat is designed with the capability of being righted by not more than two persons with two handrails at each side.

All steel fittings are of stainless steel quality:

316 L

**Up & down**

Single point lifting arrangement with approved on/off load release hook. Standard supply with safe working load 1500kg. It is connected through a stainless steel frame to the hull bulkheads.

**Engine specifications:**

Model: Mercury 25 hp 2-stroke

Power: 18,40 kW

Fuel: Gasoline

Fuel capacity: 50 ltr

Starting method: Manual operating

**Fuel:**

There is sufficient fuel for 4 hours operation at a speed of 6 knots.

**Propeller:**

There is a propeller protection guard installed

**Equipment:**

A painter release hook is fitted at the bow, buoyant lifelines and grips are fitted on both sides. A manually operated bilge pump is installed and all the other equipments required by LSA are provided. Tools and spares for the engine are also supplied as per regulation.

**Equipment (electrical):**

Standard supply is a 42V LADAC battery charger, charging the two independent 12V batteries. The electric system is controlled by a battery switch, together with a switch panel for navigation lights (red, green and white), light in compass and search light.

Electric equipment is according to IP 56 standard

**Operation:**

The main operation of the boat is carried out from the manual operated handle of the engine fitted at the stern. The following equipment is fitted on the console:

- Hydraulic steering gear
- Remote control for engine on right hand side
- Hand held search light
- Compass

- Painter release device

**Self righting capability:**

At the stern a buoyancy foam filled arrangement is mounted. This will make the boat capable of returning to upright position after capsizing. During capsizing the engine will automatically shut off.

**Documentation:**

The following documents are submitted after delivery:

- Product specifications
- General arrangement drawings
- User instruction manuals
- Instructions for on-board maintenance of lifeboat

**Regulations:**

The rigid rescue boat fully complies with the latest SOLAS requirements and LSA Code. The rigid rescue boat will be certified by the Bureau Veritas in accordance with the European Council Directive 96/98 EC on Marine Equipment (M.E.D).