

## Fast Rescue Boat (FRB) 600 inboard diesel jet ( type GJ6.0B-1 IB)

### Specifications:

Length:	6,00	(meters)
Height:	1,10 / 2,30	(meters)
Molded breadth:	2,15	(meters)
Overall breadth:	2,20	(meters)
Depth:	1,10	(meters)
Max persons:	13	
Weight boat:	1689	(kilogram)
Weight davit 13 persons:	2761,5	(kilogram)
Propulsion type:	Water jet	
Engine type:	BUKH STEYR 236	
Speed:	30	(knots) with 3 persons
Towing force:	5,4	kN
Lifting arrangement:	Single point	
Color external:	Orange	
Color internal:	Orange	

### General:

Rigid Fast Rescue Boat (FRB) with an inboard diesel engine. The vessel is equipped with a self-righting frame at the stern. The FRB is suitable for carrying up to 13 persons. The deep V-shaped hull gives a good sea performance, also in high speed. It is designed for both A-frame - and single arm davits. The FRB is primarily designed for SAR/MOB operations, secondarily for crew transfer, inspections and so on. It has good maneuverability properties; is easy to operate and has a design which makes the maintenance easier.

### Used material:

The boat is made out of fire retardant glass fiber reinforced polyester, also known as GRP. The main parts are laminated in independent moulds. To assure buoyancy and strength, foam is injected into certain areas between the inner liner and the hull. There are two longitudinal bulkheads and one transverse bulkhead to assure hull strength.

A heavy-duty fender made out of polyurethane foam is protecting the boat from impacts. The fender is connected to the hull with glue and protected with two layers of PVC covers. The fender also gives extra buoyancy.

The boat is equipped with an anti-skid surface deck for maximum safety.

Used steel parts quality: 316 L

### Lifting arrangement:

Single point lifting arrangement with approved on/off load release hook, standard supplied with a galvanized hook. It is connected through a stainless steel frame to the hull bulkheads. Safe working load is 30,38 KN.

### Engine specifications:

The FRB GJ600B-I-IB inboard is equipped with an Buh Steyr MO236K43 engine. The engine meets the requirements of 1996 amendments to SOLAS 1974 and LSA Code. Classification Society also approves the engines installed.

Model: BUKH STEYR M0236K43  
Power: 212 hp (156 kW)  
Fuel: Turbocharged, 4 stroke 6 cylinders  
Fuel capacity: 200 ltr  
Starting method: Electric starting  
Cooling: Fresh water  
Starter: 12 V, 1,8 hp (1,3 kW)  
Alternator: 90 Amp with voltage regulator  
Transmission: Alamarin water jet 230

### **Fuel:**

There is sufficient fuel for 4 hours operation of about 30 knots with 6 persons.

### **Propeller:**

There is a propeller protection guard installed.

### **Equipment:**

The equipment required by LSA regulation is provided.  
The painter release hook is fitted at the bow, buoyant lifelines and grips are fitted on both sides.

### **Equipment (electrical):**

The boat is equipped with various electrical equipment, which are all controllable through the switch panel near stern.

- Position indicating light for stern light / SB – PS light
- Handheld search light
- Compass
- One extra battery

Electric equipment is according to IP 66 standard.

### **Operation:**

The main operation of the boat is carried out from the helmsman's position behind the console system fitted mid-ship.

The following equipment is fitted on the console:

- Battery switch
- Switch panel
- Compass
- Hand held search light
- Remote control for engine + water jet right hand side
- Hydraulic steering gear
- SOLAS rescue equipment set, incl. boat- and steering console cover
- Handheld searchlight
- Fuel level indicator
- Dead men's switch providing emergency engine shut off

### 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 be 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

### Warranty:

The warranty period is normally limited to max. 18 months from delivery of equipment of 12 months from delivery of vessel to owner, whichever comes first.

### Regulations:

The rigid rescue boat fully complies with the latest SOLAS requirements and LSA Code & resolution MSC.218(82), MSC.81(70), MSC.226(82)MSC.274(85) & MSC.272(85). The rigid rescue boat will be certified in accordance with the European Council Directive 96/98 EC on Marine Equipment (M.E.D).

### Optional:

- VHF radio (Required for fast rescue boats)
- Hydraulic steering system
- Jason cradle
- Rescue net
- Boat cover
- Console cover
- Engine spare part set
- Engine heater

### Standard equipment according to SOLAS:

- 2 x Paddles
- 1 x Buoyant bailer
- 1 x Compass (with illumination)
- 1 x Sea anchor (with at least 10 mtr of line)
- 1 x Painter line
- 1 x Buoyant line (at least 50 mtr for towing)
- 1 x Electrical torch (including spare bulb and spare battery's)
- 1 x Whistle or equivalent (horn etc.)
- 1 x Waterproof first aid kit (in container or sealed bag)
- 2 x Buoyant rescue quoits (with 30 mtr buoyant line)
- 1 x Searchlight
- 1 x Radar reflector
- Thermal protective aids (10% of the number of persons the rescue craft is permitted to accommodate or two which is greater.
- 1 x Fire extinguisher (2Kg)
- 2 x Smoke signals
- 6 x Hand flares
- 4 x Parachute flares

**Note:** With the exception of the paddles and boathook, the above-mentioned items are properly stowed away in a weather tight stowage bag that can be found in the bow stowage compartment.