

## Fast Rescue Boat (RIB) Blue-Spirit 620 inboard diesel jet (Type BS620 FRC IB Jet)

### Specifications:

Length:	6,20	(meters)
Height:	2,65	(meters)
Overall breadth:	2,47	(meters)
Depth:	0,60	(meters)
Max persons:	10	(persons)
Weight boat:	1790	(kilogram)
Weight 10 persons:	825	(kilogram)
Weight davit system with 10 persons:	2615	(kilogram)
Propulsion type:	Water jet AJ-180	
Engine type:	BUKH STEYR 144	
Speed:	28	(knots) with 3 persons
Towing force:	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 10 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 large hypalon neoprene fender (Pennel Flipo/Orca 1670 dtex) with a diameter of 450-500 or 550 mm is protecting the boat from impacts. The fender is connected to the hull with glue or straps and also gives extra buoyancy. There is the option to choose between an air - or polyurethane foam filled fender

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 32,07 KN.

**On load release hook: NEDDECK CAR35 or HENRIKSEN HKM3,5**

## Engine specifications:

The RIBFRB-BS620-IB-144hp-Jet is equipped with a Buhk Steyr inboard diesel engines. The engine meets the requirements of 1996 amendments to SOLAS 1974 and LSA Code. Classification Society also approves the engines installed.

Model: BUKH STEYR inboard diesel  
Power: 144 hp (106 kW)  
Fuel: Turbocharged, 4 stroke  
Fuel capacity: 150 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 jet AJ-180

## Fuel:

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

## 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 (installed on self-righting frame)
- Handheld search light
- Compass installed on steering console
- A 42V battery charger, charging the two independent 12V batteries
- 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 right hand side
- Hydraulic steering gear
- SOLAS rescue equipment set, incl. boat- and steering console cover
- Handheld searchlight
- Fuel level indicator

### Self-righting capability:

At the stern a self-righting frame with airbag 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:

- 1 x Boat hook
- 2 x Paddles
- 1 x Rescue net
- 1 x Buoyant bailer
- 1 x Compass (with illumination)
- 1 x Sea anchor (with at least 10 mtr of line)
- 1 x Painter line, 30m with long eye
- 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 installed on self-righting frame
- 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
- 1 x Boarding ladder
- 1 x Repair kit for fender
- 1 x Emergency steering tiller
- 1 x Regulation spare parts and tools kit

**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.