

TECHNICAL SPECIFICATION  
FOR

**5.45MTR. ROB BOAT**

*SPECIFICATION NO. RIB545/RB/SP/12/527*

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SPECIFICATION OF 5.45MTR ROB BOAT

**SPECIFICATION NO : RIB545/SB/SP/12/527**

**PRINCIPLE PARTICULARS**

Length over all	5.45	mtr
Breadth over all	2.08	mtr
Breadth hull	1.72	mtr
Passenger capacity	4 + 1	Passengers + crew
Speed (Max.)	25	Knots

General Arrangement Dr. No: RIB545/ SB/GA/12/188

# Brief Technical specification

## Rigid Inflatable Boat RIB 545 outboard

### General

The RIB hull design is The V-Shape Hull to get the maximum speed and inflatable tube ensures excellent seagoing performance.

The steering position, with integrated helmsman's seat is in the aft part of the boat.

### Construction

Hand-lay-up GRP.

Isophthalic resin.

E- glass reinforcement.

### Colours

Hull and Deck as per the customer requirement and availability of colours .

Tube - Availability of colours

### Buoyancy

Buoyancy is formed by the inflatable tube, divided in 5 air chambers.

### Helmsman's position

One helmsman's seat is integrated in the steering position and is provided with foam filled padding.

The dash panel is provided with controls, gauges and nautical equipment.

### Tube

Diameter 450 mm.

The inflatable tube is divided into 5 compartments separated with baffles, a bow section and 2 sections at each side.

The inflatable tube is attached to the hull by a skirt, covering the entire tube. The skirt has rubbing strakes at the outside and lifelines inside and outside. This system not only gives additional protection against puncturing and wear but also easy removing and remounting of the tube in case of damage or inspection.

### Steering

The outboard motor is equipped with mechanical steering system.

### Handgrips

At the inside and at the outside of the skirt a life line is mounted as a handhold for the passengers sitting on the tube.

### **Draining**

To drain the cockpit two self closing drains are provided at the transom on PS and SB.

To drain the hull a boats plug is mounted in the bottom and a manual bilge pump will be installed.

### **Batteries**

2 x 12 volt, 55 AH.

### **Battery charge**

Optional a 12 V charger can be installed with a ship's electrical power supply from the system.

### **Lighting**

Compass light, combined port-and starboard navigation light, top light (as per Colreg rules), searchlight.

### **Engine**

40 Hp 4-stroke petrol driven outboard motor included to the price quotation.

### **Speed**

Over 18 knots. (3 crew members on board).

15 knots. (5persons on board).

Fuel tank

Capacity 150 litre, made of seawater resistant aluminium AlMg4,5Mn.

Engine starting

Electric start from twin batteries 55 Ah each.

Fixed equipment

As per specification, and as shown on the GA drawing and a painter release operated by the helmsman.

### **Safety equipment**

Cylindrical non-inflatable rubber fender - 02 nos

Life Jackets - 06 nos

Life buoys - 02 nos

First aid box

Additional equipments

Roll up ladder 01 no.

Anchor zinc steel 05 kg

Rope and chain 2mtr s chain and 10 mtrs  
Rope

Rod holders 2 nos

Bollard stainless steel grade 316 1 nos

Stainless steel cleats aft on port and stbd 2 nos

Paddy eyes 4 nos on either side

### **Materials and workman ship.**

All materials, and equipment used are of marine type and suitable for the intended services and to be free of imperfections of manufacture and defects.

All fiber glass material used are of best quality material and approved by Lloyds Register of shipping.

All fasteners used for construction and assembly of the launch to be stainless steel.

### **Trials and delivery**

#### *Trials*

The craft will be launched and trailed in the presence of the owner's representatives on board in the vicinity of builders yard before delivery and acceptance by the customer. Shipping to customer account.

#### *Warranty*

The Builder will guarantee the vessel for a period of one year on hull and deck construction commencing from the date of handing over, arising from any workmanship or material defects. All equipment and machinery will carry manufacturer's warrantee offered.