



# SEABOATS

MARINE BROKERS WITH A GLOBAL APPROACH

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## NEW BUILD - 10m Patrol Boat



### Listing ID - 675035

**Description** NEW BUILD - 10m Patrol Boat

**Date** BUILT TO ORDER

**Launched**

**Length** 10m (32ft 9in)

**Beam** 4.2m (13ft 9in)

**Draft** 1.2m (3ft 11in)

**Location** ex factory, India

**Broker** Geoff Fraser  
[geoff.fraser@seaboats.net](mailto:geoff.fraser@seaboats.net)  
+64 21 61 222 5

### General Description & Provision

Description: The vessel shall be constructed as a high speed, sea kindly, patrol vessel for the use in Indian waters in the Arabian Sea & the Bay of Bengal, Rivers, Creeks, etc..

### Principle Dimensions

Length Overall (Hull): 10m

Length at waterline: 8.85m

Beam: 4.20m

Draft: 1.20m

Fuel: 800L

Water: 100L

Speed: Cruising (20knots), Sprint (30+knots)

Passengers: 4

Crew: 2

## **Hull and Superstructure**

### **General**

The vessels hull shall be moulded in GRP, transversely framed and longitudinally stiffened with scantlings in accordance with the Indian Register of Shipping for GRP planning craft and in accordance with the Rules of such vessels under Certification of the IRS or equivalent. Four (4) watertight bulkheads shall be provided for watertight subdivision in each hull. Limber holes to be provided as necessary to ensure proper drainage and ventilation of all tanks, compartments, pockets and voids. Insert blocks shall be used for all local structural reinforcement as required. Additional stiffening shall be applied above the propellers and ample tip clearance shall be provided. The bow and stern quarters shall be additionally stiffened internally. 85 dba. Shall be the desired sound level within the main cabin area.

### **Materials**

All materials used shall be in accordance with the Standards approved by the IRS (Indian Register of Shipping).

### **Hatches, Doors and port Lights**

The following hatches and doors shall be provided:

Watertight soft patches over engine bays.

Weather tight doors fitted to cabin aft bulkhead.

Weather tight anchor locker in bow.

Watertight hatches (flush) to steering compartments.

Deck Fittings and Hardware:

Six (6) off aluminium mooring bollards (double pillar).

One set mooring line,

One set aluminium rails as shown to include wheel house top and 50mm boarding rail on front and aft deck.,

Portable ladder for emergency evacuation shall be stowed on the wheel house roof (Optional Extra).

### **Painting and Deck Finishes:**

The vessel's hull and superstructure shall have a GRP high gloss finish. The side, aft and foredeck shall be provided with a non-skid paint finish. All underwater areas shall be anti-fouled and provided with sacrificial anodes as required.

### **Fendering:**

Heavy duty "D" type rubber gunnel fendering shall be fitted to the vessel at gunnel height. This provides excellent fendering, protection for the vessel with trouble free long life.

## **Engineering**

### **Main Engines and Gearboxes**

#### **General:**

Two (2) off freshwater heat exchange, sea water cooled, Cummins Inc model – QSB 6.7 (375 HP @ 3000 RPM) or equivalent intermittent rating for Government/Special Duties, marine diesel engines shall be installed coupled to ZF 370-V gearboxes. Alarms on main engine function (no shutdowns).

Technical Brochure for the main engines as below pages 13, 14 and 15 of this Technical Specification.

Technical details for the Gear Boxes as below on pages 16, 17, 18 and 19 of this Technical Specification.

### **Drive and Steering System**

#### **General:**

The gearboxes shall be connected to 316 stainless steel propeller shafts (2¼") supported in heavy walled aluminium stern tube and water lubricated 'Maritex' bearings. Stern tube glands shall be provided. Manganese bronze, balanced, 3 or 4 blade propellers as specified by the designer shall be fitted.

Semi balanced rudders constructed of stainless steel with a stainless steel stock shall be provided. Cast bronze tillers shall be fitted to the stocks and actuated by double acting hydraulic rams.

Two (2) off 400 litres aluminium fuel tank shall be provided and installed. Fuel tank vents shall terminate above deck level.

Duplex fuel filters, Raycor or similar, to be fitted to main engines. Approved flexible hoses to be used for all engine connections. Tank level instruments to be installed (sight tube), to be actuated by weight valve. Fuel drain valves and inspection hatches shall be installed. Emergency shut off valves remote operated shall be installed.

#### **Deckwash/ Bilge System:**

Engine driven deckwash / bilge pump shall be provided with bilge suction forward, midship and engine compartments. An emergency hand pump shall be provided. Non return valves shall be installed to overboard discharge lines.

A sea-suction and deck wash outlet fitted and plumbed to the bilge pump. A non-return valve or "L" port cock to be fitted to prevent back flooding.

#### **Exhaust System:**

Main engine exhaust fittings shall be constructed of stainless steel and shall provide with a flexible hose sections and water injections. Exhausts shall terminate at the vessel's transom area and shall be fitted with a self-closing flap.

#### **Machinery Instruments**

Pilot House Instruments:

Engine oil pressure gauge

Gear oil pressure gauge

Water temperature gauge

Tachometer

Engine Start

Engine Stop

Hour Meter / Sum Log

Rudder Angle Indicator

#### **Electrical:**

The electrical power shall be supplied from two banks of low maintenance lead acid batteries located in an enclosure in the machinery space. Battery selection will be via a Colhersee or similar rotary selection switch mounted adjacent to the batteries.

The batteries will be float charged by engine driven battery charging alternators.

The following shall be supplied:

Cabin Lighting: Helm and lounge areas

Navigation Lights: Anchor Light, Masthead light, Port side light (on roof), Starboard side light (on roof), Stern Light, NUC Light (Optional Extra), Flashing Orange / Police light

Search Light: Electric operated spotlight

Three Circuits: Three Circuits

VHF Radio: (1 off) Fixed Type of 25 Watts  
Engine-room Fans: If recommended by the Designer  
Depth Sounder / Log  
Air Horn  
SSB Radio: Optional Extra  
GPS: Optional Extra  
Compass: Fluxgate Type  
Radar: Optional Extra  
Navtex Receiver: Optional Extra  
EPIRB: Optional Extra

### **Fitout**

Padded helm seat: (2 off)  
Marine carpet in main cabin area  
Upholstered passenger seating  
Safety equipment to local Maritime Authority's requirement  
Windscreen Wipers 1100 pantograph paralleled wipe. (4 off)  
Toilet European style. (1 off)  
Handwash Basin within toilet space (pressure pump). (1 off)  
VHF Radio (with DSC), Electric anchor winch (rope & chain),  
Electric anchor winch (Optional Extra),  
Compass – Fluxgate type  
Echo Sounder / Log  
Radar: (Optional Extra)  
GPS: (Optional Extra)  
EPIRB: (Optional Extra)  
SSB Radio: (Optional Extra)  
HF Radio (Air to Sea): (Optional Extra)  
Portable VHF Radio (Hand Held): (2 off)  
Loud Hailer  
Binocular (7 x 50): (1 off)

### **Safety Equipment**

Life Rafts: (8 x 1 off) Optional Extra  
Life Buoys: as per Class requirements  
First Aid Kit: (1 off)  
Fire Extinguishers: as per Class requirements  
Fire Buckets: as per Class requirements  
Anchor with rope & chain: (DNV scale used)  
Audible Alarm warning horn  
Torch: (2 off), Battery operated  
Tool / Maintenance Kit  
Fire & Safety Plan: To be Displayed  
Life Jackets: (10 off)  
Buoyancy Apparatus: Optional Extra  
Donning Instructions: (2 off) To Be Displayed  
Flares: as per Class requirements  
Rubbish Bin: (1 off)

Fire Fighting Appliances: as per Class requirements

**Armament:**

Provision has been allowed for 1 x heavy duty aluminium base of approximately 450 mm diameter to suit L.M.G. Universal Gun Mount tripod. The position for this will be forward of the saloon and two on either side of the aft deck to suit the Buyer's requirements.

**Air Conditioner/Generator**

**Air Conditioner:**

Air cooled Split system (Voltas or equivalent) shall be installed with 400c to 200 / 240c cooling efficiency. Heat exchangers in air-conditioning system shall have sacrificial zinc anodes fitted if required.

**Generator:**

One (1 off) 6.6 KVA, sea water cooled model 7 GSC manufactured by Sole S.A., marine genset or equivalent shall be installed in the compartment forward of engine room in the Starboard hull or as specified by the Designer - Mark Ellis Marine Design from Australia. The Technical Details for the Generator – Sole 7GSC are provided on pages 25, 26, 27 and 28 of this Technical Specification.

**FM-200® Gaseous Fire Fighting System( Optional Extra)**

The FM-200® gaseous system uses a regulated greenhouse gas, under the Ozone Depleting Substances & Synthetic Greenhouse Gases (ODS & SGG) Management Regulations 1995. This gaseous system works in seconds and is readily suited to the protection of high value assets.

The FM-200® provides total flood when used in; computer and electronic control rooms, telecommunication and switch rooms, data processing centres, vaults/tape storage, marine machinery spaces, chemical storage and clean rooms, medical laboratories and emergency power facilities.

**Features:**

Uses a regulated greenhouse gas that are liquefied under pressure for storage.

These agents are classified as suitable for use in occupied areas and are considered to have no ozone depleting potential (ODP).

The systems are designed in accordance with AS 4214-2002 Gaseous fire extinguishing systems, parts 1 and 2.

**Speed & Range Estimate:**

The Speed and Range estimates are given below based on Engine Data and Standard Formulae.

**Speed Estimate**

Full Load

Weight: 11.372 Tonnes

Fuel: 800L

Engine: 2 x 375 HP (Total 750 HP) @ 100% MCR

Half Load

Weight: 10.936 Tonnes

Fuel: 800L

Engine: 2 x 375 HP (Total 750 HP) @ 100% MCR

**Interpretation:**

The quality of construction testing and trials of the vessel/s, its machinery, fittings, equipment, material and workmanship shall be in accordance with accepted standards of shipbuilding practice and in accordance with the Specification and Plans. The Specifications and Plans are intended to explain each other and anything shown in the Plans but not stipulated in the Specifications or stipulated in the Specifications but not shown in the Plans, shall be deemed and considered as if included in both. In the event that there should exist any conflict, inconsistencies or contradictions or there should be any doubt regarding the interpretation between the Plans and Specifications, the Specifications shall prevail and govern.

Likewise in event of inconsistencies or contradictions between Plans or the Specifications and the Agreement, the provisions of the Agreement shall prevail and govern. Not with standing anything to the contrary in this Agreement, Plans and Specifications, it shall be obligatory to the BUILDER to construct and deliver the vessel/s in compliance with the requirements of the Class, the Laws, rules and regulations mentioned in the Specifications.

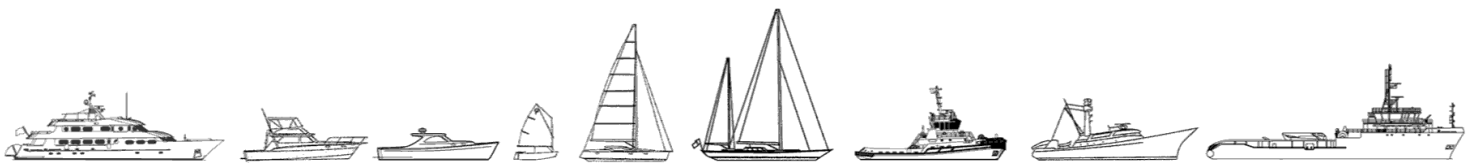
Import Duty: At present, any materials and equipment imported for the purpose of construction of a Passenger Vessel are fully exempted from Import Duties. However, should this Exemption Notification be withdrawn or if any Import Duties are levied at any time, the amount of such Duties will be charged to the Buyers Account and payable at the time of clearance of the goods at the Port of delivery.



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The details of all vessels are offered in good faith but we cannot guarantee or warrant the accuracy of this information nor warrant the condition of the vessel. Any buyer should instruct their agents, or their surveyors, to investigate such details as the buyer desires validated. This vessel is offered subject to sale, price change, location or withdrawal without notice.



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