



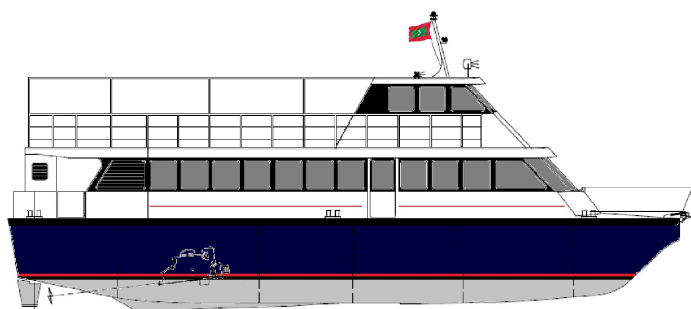
# SEABOATS

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## NEW BUILD - 20m 150 Pax Catamaran Ferry



### Listing ID - 1558

**Description** NEW BUILD - 20m 150 Pax Catamaran Ferry

**Date Launched** Built to Order

**Length** 20m (65ft 7in)

**Beam** 7m (22ft 11in)

**Draft** 0.78m (2ft 6in)

**Location** ex factory, India

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

**Price** POA

## GENERAL DESCRIPTION & PROVISIONS

### DESCRIPTION

The vessel shall be arranged as shown in the preliminary drawing.

The Vessel is of the Twin Hull 'Catamaran' type and based on PRAGA's highly successful and well proven Fibreglass (GRP) 20.00 meter Catamaran of which Five vessels have already been built in India to the design of M/s DON TATE ASSOCIATES of the U.K. The vessel is to be constructed in accordance with the IV Act under the Supervision and Certification of IR Class.

The Catamaran is designed to give a very stable and spacious craft with One decks which allow craft for a variety of purposes. The main deck can be fitted out with seating for 100 persons + 50 persons on the Upper Deck.

She can be used in Coastal Waters as well as in Rivers and Backwaters. Operation of the vessel is very economical since the power requirements of the very efficient Catamaran hulls is surprisingly low allowing a larger budget for fit-out. A Speed of 8.0 knots can be achieved with just 2 x 88. hp Marine diesel Engines.

### **Principle Dimensions**

Length Overall (Moulded): 19.59m

Length at Waterline: 19.30m

Beam (Moulded): 7m

Beam (Hull): 1.87m

Hull Draft (Moulded): 0.78m

Hull Draft (Loaded): 1.28m

Freeboard (Loaded): 1.45m

Freeboard (Lightship): 1.5m

### **Payload and Capacities**

Passengers: 15

Crew: 4

Fuel: 720 litres

Water: 500 litres

Sullage: 100 litres

### **Class**

IR Class (Indial Register of Shipping): SUL, HSC/LC, RS2 Passenger IY

### **Propulsion**

Main Engine (Make-Model): Sole S.A. – SDZ 165; 2x 160HP @ 2300 rpm

Propellers: Sole S.A

### **Performance**

#### **Speed:**

Loaded: 14.20 knots (91% MCR)

Loaded: 12.00 knots (78% MCR)

### **CONSTRUCTION**

The Hulls of the Vessel shall be of GRP, stoutly built to withstand the intended use with minimum maintenance. They shall be sufficiently stiffened and divided into 6 Watertight compartments in each Hull, by means of Marine Plywood Bulkheads. The Scantlings shall be in accordance with those approved by the IRS. The hulls shall be joined together in a manner which will ensure complete integrity of the whole vessel and able to withstand the intended loads and conditions of use.

The Deck and Superstructures shall be constructed with GRP composite. Decks will be sheathed with GRP layers to ensure full waterproofing.

### **GENERAL ARRANGEMENT**

The vessel/s shall be arranged as follows:

#### **Wheel House:**

The wheel-house is mounted at the forward end of the Upper Deck enabling the Helmsman to have clear and unobstructed view in all directions. All Steering and Controls for operation of the vessel including all instrumentation is provided at a console in front of the Helmsman allowing full and easy control of the vessel from the Steering

Position. A windscreen wiper will be provided. The benches are provided on each side of the wheelhouse for the crew. Access is from a door at the rear of the wheelhouse.

#### **Main Deck:**

The main deck can be arranged to seat up to 100 Passengers. The central row of the seats can be raised by 200 mm above the deck level if required.

Windows shall be of tinted glass.

#### **Aft Deck:**

Toilets : Two toilets are constructed separately at the aft end of the lower deck, shielded by a screen. Water closets and washbasins are provided. A separate Crew's toilet (Optional Extra) can also be provided with shower facilities.

**Crew Galley:** (Optional Extra) will be fitted with a kerosene cooking stove, storage lockers and small sink with fresh water connection.

#### **Upper Deck:**

The Upper Deck shall be arranged to accommodate 50 passengers as shown on the General Arrangement Drawing. The builder will provide a Targa Top with foul weather protection.

### **MACHINERY**

#### **MAIN ENGINES AND GEARBOXES**

Two (2) off freshwater heat exchange, sea water cooled, Sole S.A. (Sole Diesel) model – SDZ 165 (160 HP @ 2300 RPM), medium continuous rating diesel engines shall be installed coupled to Twin Disc Technodrive TM-170 Gear Boxes Ratio 2.04:1. Alarms on main engine function (no shutdowns).

#### **RANGE & SPEED ESTIMATE**

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

20 Meter Displacement Catamaran

Shaft Drive – Passenger Catamaran

Main Engines – Sole Diesel 2 x SDZ-165 (160 BHP @ 2300 rpm) Displacement – 32 Tonnes

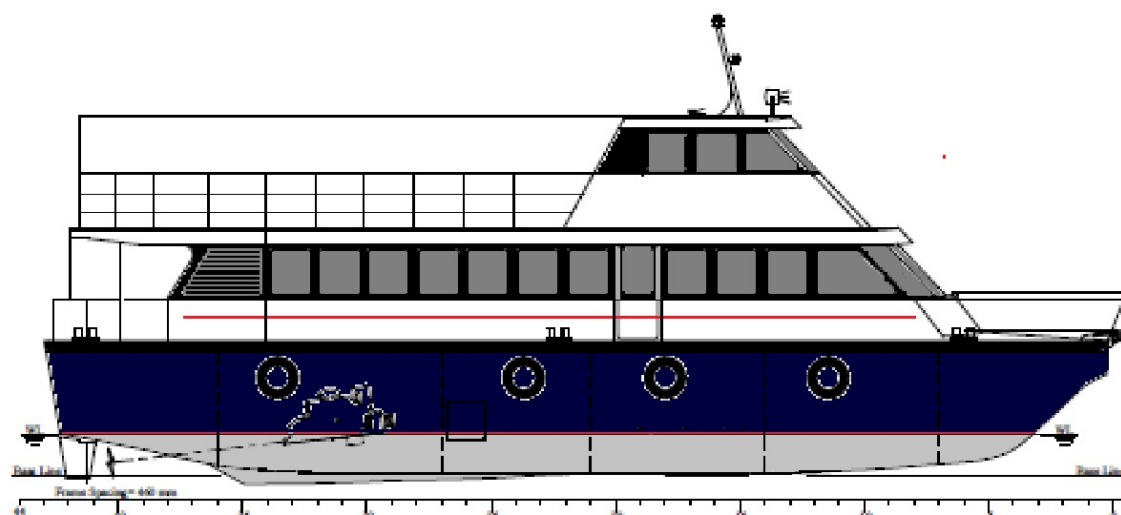
Fuel – 720 Litres

### **ELECTRICAL**

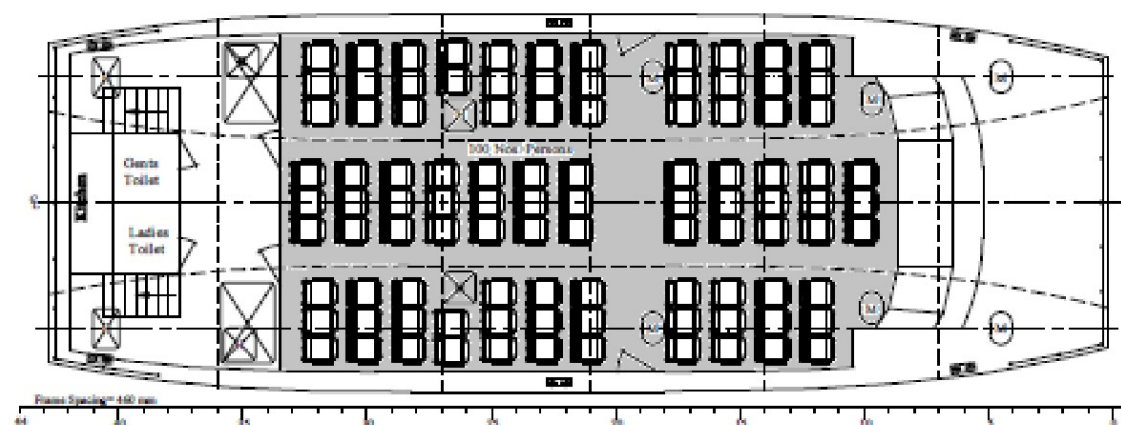
A 12 v DC and a 220v AC 3 – phase system will be provided.

The 12v system is powered by 4 Nos. of heavy-duty 180 amp/hr batteries, in two banks of 2 batteries each connected to and charged by Alternators on each engine.

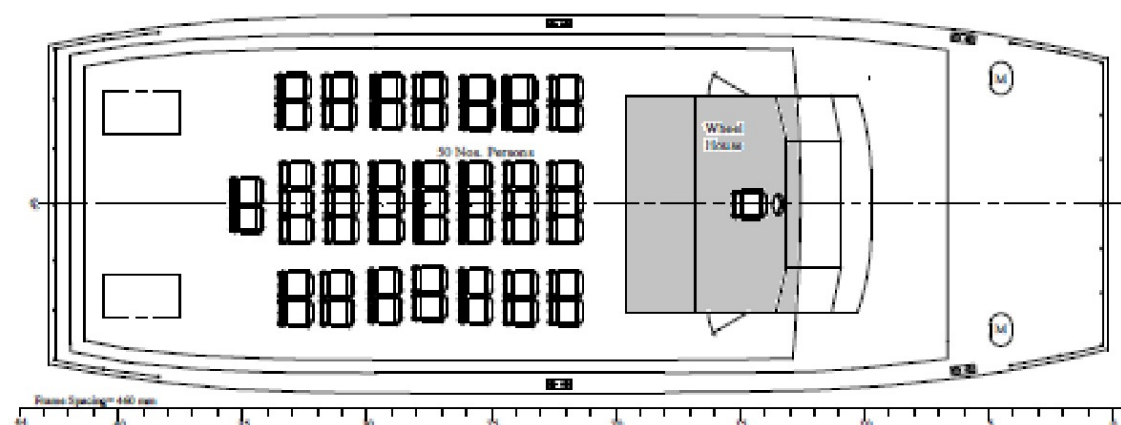
# 20 METER 150 PASSENGER CATAMARAN



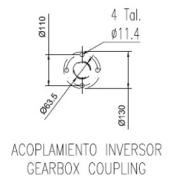
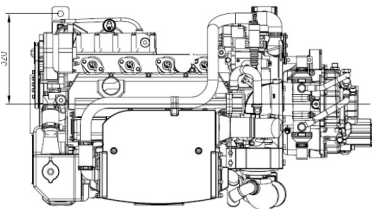
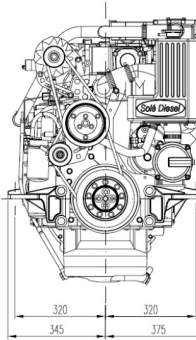
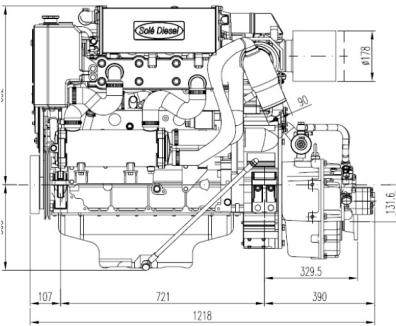
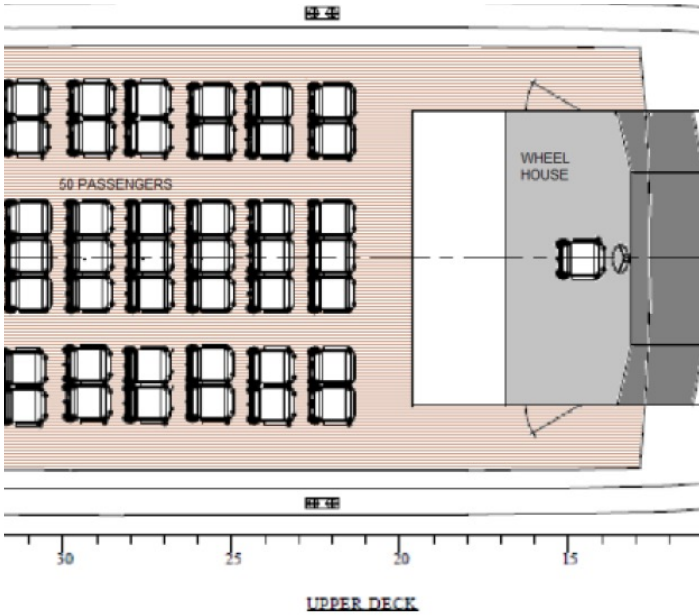
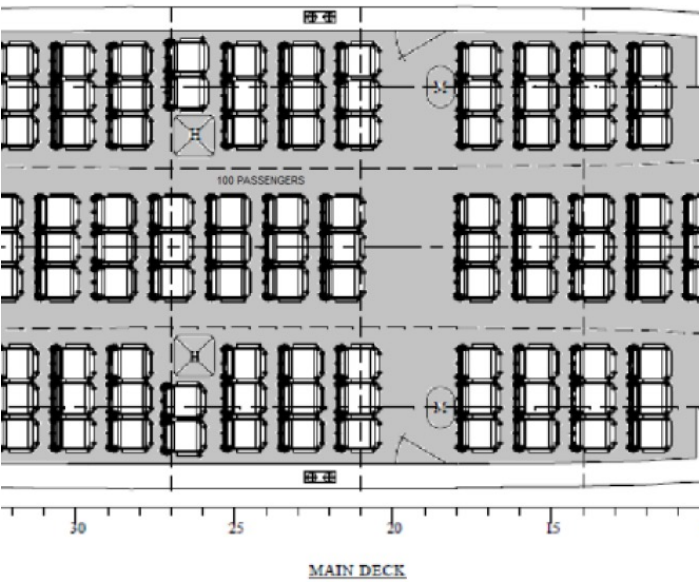
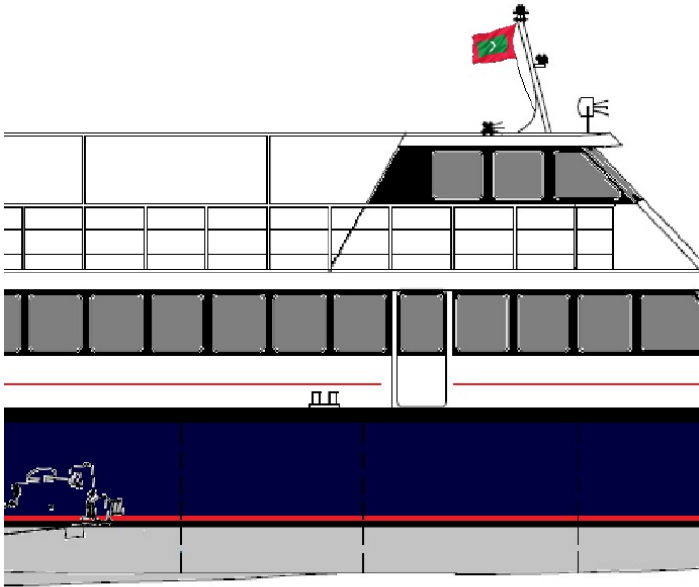
PROFILE



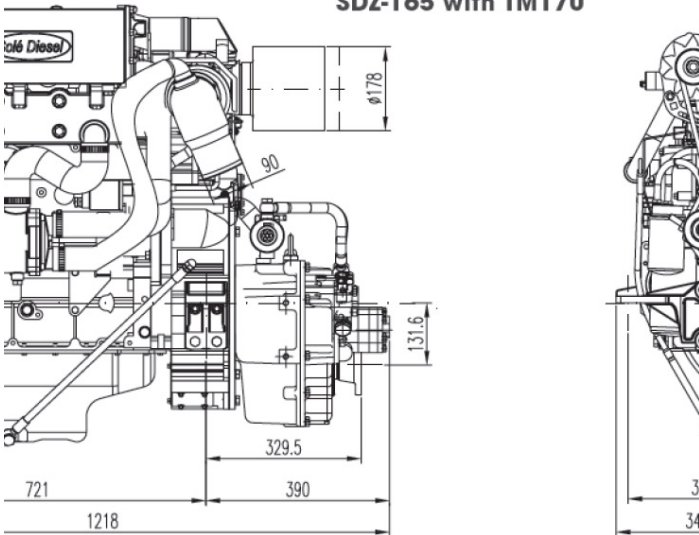
MAIN DECK



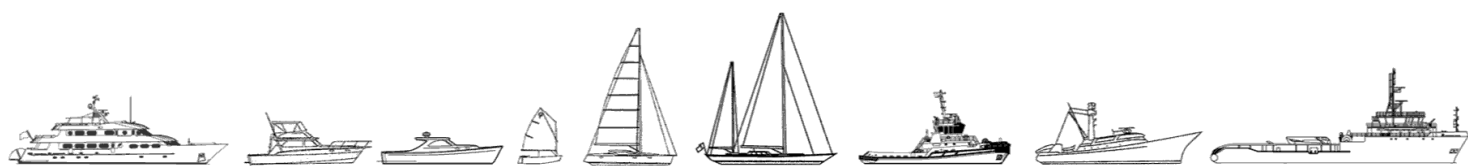
UPPER DECK



**SDZ-165 with TM170**



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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