



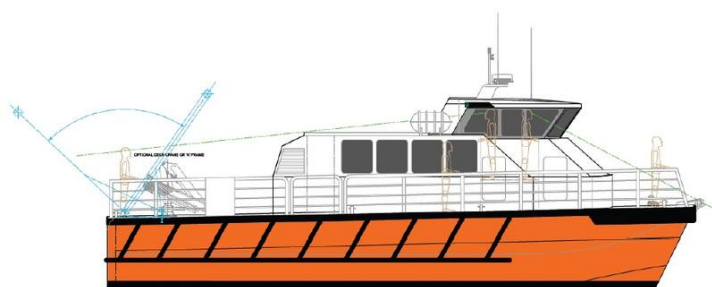
SEABOATS

MARINE BROKERS WITH A GLOBAL APPROACH

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sales@seaboats.net - www.seaboats.net

NEW BUILD - 15m Crew Transfer - Utility Vessel



Listing ID - 471538

Description NEW BUILD - 15m Crew Transfer-Utility Vessel

Date Launched BUILT TO ORDER

Length 15m (49ft 2in)

Beam 5.5m (18ft)

Draft 1.50m (4ft 11in)

Location ex factory, India

Broker Geoff Fraser
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Price POA

1.1 DESCRIPTION

The vessel shall be constructed as a high speed, sea kindly Whale Watching and Passenger service vessel. The Helm is raised and arranged to allow all round vision. Seating will be provided for 21 passengers on the main deck using Aircraft type seats covered with cushioning. One WC with a handwash basin shall be provided. A small Galley with a Refrigerator and Electric Kettle with cabinets has been provided. Boarding is effective by stern loading. Entry to the passenger saloon is via the rear mounted weatherproof door.

1.2 PRINCIPLE DIMENSIONS

Length overall: 15m (49ft 2in)

Length at waterline: 13.9m (45ft 7in)

Beam: 5.5m (18ft)

Draft: 1.50m (4ft 11in)
Fuel: 3000 litres
Water: 500 litres
Power: Cummins QSL-9 x 2
(405 HP @ 2100 RPM)
Gear Boxes ZF – 325-1
Propulsion Conventional Drives
Speed (Cruising) 22 Knots (90% MCR)
(Maximum) 24 Knots (Light Ship)
Passengers 21
Crew (Vessel Operation) 2

2. HULL AND SUPERSTRUCTURE

2.1 GENERAL

The vessels hull shall be moulded in GRP, transversely framed and longitudinally stiffened with scantlings in accordance with the Indian Register of Shipping (IRS) an IACS member, for GRP planing craft, 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 deck cabin area.

2.2 MATERIALS:

All materials used shall be in accordance with the Standards approved by the IRS.

2.3 HATCHES, DOORS AND PORT LIGHTS

The following hatches and doors shall be provided:

- Watertight soft patches over engine bays.
- Watertight access hatches fitted to engine rooms.
- Weather tight doors fitted to cabin aft bulkhead and front.
- Weather tight anchor locker in bow.
- Watertight hatches (flush) to steering compartments.

2.4 DECK FITTINGS AND HARDWARE

1. Six (6) off aluminium mooring bollards (double pillar).
2. One set mooring lines
3. One set aluminium rails as shown to include wheel house top and 38 mm boarding rail on front aft deck and Upper Deck.

2.5 PAINTING AND DECK FINISHES

The vessel's hull and superstructure shall have a FRP 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.

2.6 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.

Additional Bow Fendering will be provided.

3. ENGINEERING

3.1 MAIN ENGINES AND GEARBOXES

GENERAL

Two (2) off freshwater heat exchange , sea water cooled , Cummins – model –QSL – 9 (405 HP @ 2100 RPM) or equivalent , medium continuous rating diesel engines shall be installed coupled to reverse / reduction marine , gearboxes as specified by engine suppliers.

Alarms on main engine function (no shutdowns).

The engines shall be fitted with an electric starter motor, crankshaft p.t.o. for steering pump. Water injected exhaust elbows. An auxiliary p.t.o. and bilge pump shall be fitted to one engine. Engines instrument panel and key stop / start to be provided for the main helm. Main engines to be resiliently mounted to ship's structure. Crank case breather shall be plumbed to above deck. Axial fans shall be fitted , 220 volt , in the machinery space for ventilation.

Cummins QSL – 9 Series Engine Brochure as Below.

FUEL CONSUMPTION – PROP CURVE

The above figures are those of the engine manufacturer and not the Builder. The figures given above apply to one engine only.

3.2 DRIVE AND STEERING SYSTEM

GENERAL

The gearboxes shall be connected to 316 stainless steel propeller shafts (3") supported in heavy walled brass stern tube and water lubricated bearings. Stern tube glands shall be provided. Manganese bronze, balanced 4 blade propellers 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 1500 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.

3.3 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.

3.4 EXHAUST SYSTEM

Main engine exhaust fittings shall be constructed of stainless steel and shall provided 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

Engie oil pressure gauge

Gear oil pressure gauge
Water temperature gauge
Tachimeter
Engine Start
Engine Stop
Rudder angle Indicator

4. 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.

Wiring shall be ISI Approved having electrical, mechanical and thermal properties complying with the Survey Authorities.

The following shall be supplied:

- (a) Cabin Lighting Helm and passenger areas
- (b) Navigation Lights (i) Anchor Light
- (ii) Masthead light
- (iii) Port side light
- (iv) Starboard side light
- (v) Stern Light
- (vi) Flashing Orange Light
- (c) Search Light Hand operated spotlight
- (d) Three Circuits Spare circuits supplied
- (e) VHF Radio (1 off) Raymarine - Ray 49E with DSC
- (f) Engine-room Fans (Alternate Current)
- (g) Depth Sounder Raymarine - MFD C-97 System
(Accurate for maximum 15 knots of speed and below. Bronze Thru Hull Transducer and kit)
- (h) Ship Horn
- (i) Bilge Pump
- (j) GPS Raymarine MFD C-97 System
- (k) Radar Raymarine RD-418D
- (l) Chart Plotter Raymarine MFD C-97 System
- (m) AIS Raymarine AIS 650 E-32158
- (n) Compass Fluxgate Type
- (o) EPIRB
- (p) Auto-Pilot (Optional Extra)
- (q) SSB Radio (Optional Extra)

5. FITOUT

- (a) Padded helm seat
- (b) Marine carpet in main cabin area.
- (c) Upholstered Aircraft style passenger seating.
- (d) Safety equipment to local Maritime Authority's requirement.
- (e) Windscreen Wipers 110o pantograph paralleled wipe. (2 off)
- (f) Toilet European style. (1 off)
- (g) Handwash Basin within toilet space (pressure pump). (1 off)
- (h) VHF Radio (1 off)
- (i) Manual anchor winch (rope & chain) clutch type.

- (j) Compass - swung at port of final delivery.
- (k) Tap in Engine room - F.W. pressure fed.
- (l) Depth Sounder
- (m) Chart Plotter
- (n) Radar
- (o) GPS
- (p) AIS
- (q) Compass
- (r) EPIRB
- (s) Autopilot (Optional Extra)
- (t) SSB Radio (Optional Extra)

6. SAFETY EQUIPMENT

The following safety equipment shall be provided : (Included in quotation) :

- (a) Inflatable Life Rafts as per Class requirements
- (b) Life Buoys as per Class requirements
- (c) Fire Extinguishers as per Class requirements
- (d) Fire Buckets as per Class requirements
- (e) Anchor with rope & chain
- (f) Audible Alarm warning horn
- (g) Portable Torch (2 off) Battery operated
- (h) Tool / Maintenance Kit
- (i) First Aid Kit (1 off)
- (j) Fire & Safety Plan to be displayed
- (k) Life Jackets (30 off) or as per Class requirements

7. AIR CONDITIONER / GENERATOR

7.1 AIR CONDITIONER

Air cooled two stage system (Carrier or equivalent) shall be installed with centre ducting fitted with dampers in saloon to ensure no cold spots occur 420 c to 20 / 240 c cooling efficiency. Ducting shall be insulated to ensure no that no condensation build up may occur. Heat exchangers in air-conditioning system shall have sacrificial zinc anodes fitted. Alternatively Split Air conditioning system can be installed.

7.2 GENERATOR

Two, Sole diesel – 17 GTC, 16.4 KVA 50 Hz, sea water cooled marine gen-set or equivalent shall be installed in compartment forward of engine room of Starboard and Port hull as recommended by the designer – Mark Ellis Marine Design.

FUEL CONSUMPTION

Auxiliaries – 17 GTC

Engine Speed Power Fuel Consumption in Litres /Hr

RPM Hz BHP (kW) 1/4 2/4 3/4 4/4

1800 60 25.0 (18.4) 2.4 3.5 4.5 5.6

1500 50 21.1 (15.5) 2.0 2.7 3.7 4.7

The above figures are those of the auxiliary manufacturer and not of the builder

8. FM-200 GASEOUS FIRE FIGHTING SYSTEM

(Included in this Quote)

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.

9. DECK CRANE

(OPTIONAL EXTRA)

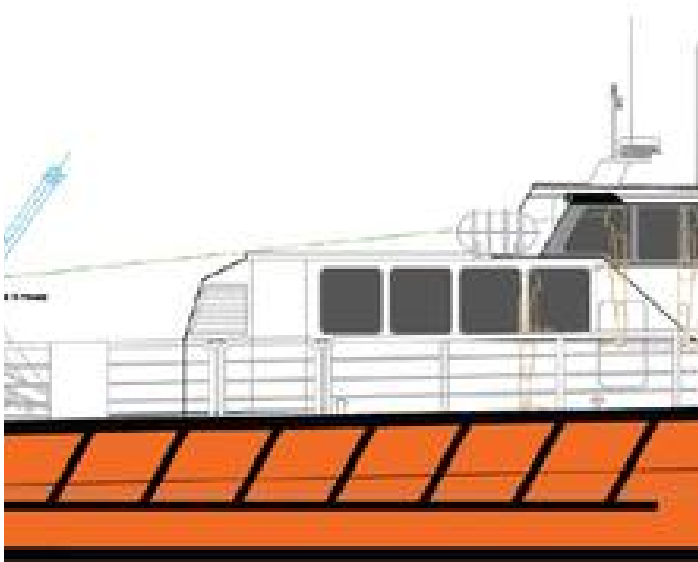
To supply and fit a FASSI - F100 22 hydraulic crane or equivalent with hydraulic pump supply and winch installed includes manual extension.

10. CLASSIFICATION

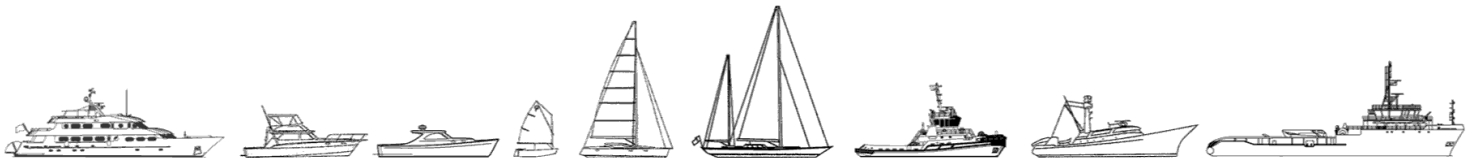
The Vessel/s shall be constructed in accordance to the relevant Class under Survey and Certification of the Indian Register of Shipping (IRS) an IACS member classification society.



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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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