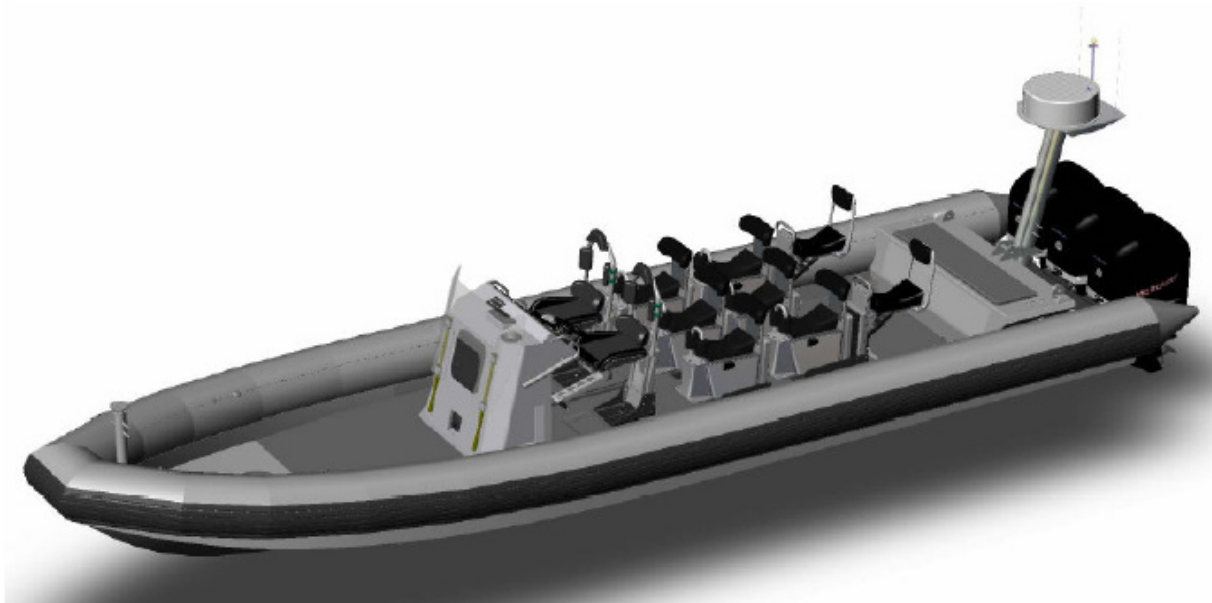




## MACH II – Military Air Channeled Hull



*1100 OB MACH II / Commando version*

Considered the finest craft of their type in the world, the Zodiac Hurricane range of RIBs are used by the most knowledgeable and discriminating operators who demand the utmost in ruggedness and reliability. RIBs combine the security, stability, light weight and ease of use of traditional inflatables with the speed and comfort of a rigid boat. True “go anywhere” boats, they provide exceptional marine qualities combining a low centre of gravity to a deep V hull and a stabilizing buoyancy tube.

All Hurricane models have removable collars, for ease of maintenance, transport and store as well as the capability of interchanging with DuraRIB foam collars.

Zodiac Hurricane has been supplying high speed outboard powered RIBS since the early 1990's.

The Zodiac Hurricane MACH II (Military Air Channeled Hull II) was created to offer a high speed fully versatile boat that is at ease in all activities and all sea conditions. The patented MACH hull design reduces resistance and enhances directional stability for increased speed, fuel economy and safety.

The MACH II hull design is available with inflatable or Durarib foam collar. These features combine to provide superior seaworthiness, shock mitigation, stability and maneuverability required to operate reliably and effectively in extreme conditions.



## MACH II – Military Air Channeled Hull



*Picture non contractual*

### PHYSICAL CHARACTERISTICS:

- Length overall – 11.12 meters
- Beam overall – 3,23 meters
- Beam (collar deflated) – 2.50 meters
- Collar diameter – 0.61 meters
- Collar volume – 6320 liters
- Fuel capacity – 1000 liters (2 tanks)
- Displacement (with full fuel, no payload) – 5400 Kg
- Max Horse Power – 3 x 300 HP
- Max speed – 57 Knots, full fuel & 1000 Kg payload
- Range (at 57 knots) – 210 NM



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## DEFINITION / MACH II – 1100 OB

### Hull and deck (Basic boat)

- Aluminum stepped hull & deck with 5086 alloy;
- Self draining deck, full height transom, below deck cable routing, removable deck sections to access & remove the fuel tanks.
- Non-slip deck covering on all walking areas;
- Positive flotation foam;
- Hull paint colour is Black, Gray, Orange, or White.

### Collar (Basic boat)

- Inflatable tube, 1670 dtx Neoprene/Hypalon fabric, 9 airtight chambers, inflation/deflation valves; square bow;
- Removable collar with slide on attachment;
- Collar accessories: three row of all around rubbing strakes, exterior full length lifelines spliced into stainless steel D-ring patches;
- Collar colour is grey or black.

### EQUIPMENT INCLUDED:

- Collar foam fill at the bow;
- Nine (9) overpressure valves.

### Console and seats

### EQUIPMENT INCLUDED:

- Wide aluminum standup 2 person console with rounded front. Includes windscreen, wrap around handrail and dash grab bar. Bomar hatch on forward face;
- Two (2) jockey suspension seats, ULLMAN BISCAYA;
- Default paint colour is same as hull/deck colour.

### Equipment (Basic boat)

- One (1) stainless steel bow eye;
- Two (2) stainless steel heavy-duty transom tie-downs;
- Mooring – two (2) transom cleats;
- One (1) cast aluminium deck hatch for access to forward underdeck storage area;
- Underdeck access hatches to fuel tank fittings;
- One (1) foot pump;
- One (1) collar repair kit.

### EQUIPMENT INCLUDED:

- One (1) removable bow post;
- One (1) tow post;
- Bow & two (2) Tow post upgrade as a weapon mount foundation;
- One (1) antenna/light arch with radar platform;



- One (1) aluminium heavy duty rope guard;
- One (1) anchor package;
- One (1) 5 lbs dry chemical / CO2 fire extinguisher and stowage;
- SKYDEX shock mitigation floor panels;
- Shock absorbing rubber floor mat;
- Flush deck tie downs;
- Folding padeyes;
- Ring buoy;
- Blackout package, does not include painting of outdrives;
- Folding dive ladder that clips into collar mounted D-ring. 2 D-rings included;
- Fastener upgrade to metric sizes from imperial;

#### **Bilge pumping/draining (Basic boat)**

- High capacity deck drains fitted w/ scupper trunks;
- Electric bilge pumps, secondary electric bilge pumps are fitted at each hull step;
- Hull drain.



ADDITIONAL EQUIPMENT AVAILABLE:

- Manual bilge pump;
- Bilge high water level alarm.

**Hoisting (Basic boat)**

- Integral SS hoisting fittings (4 lift points);

ADDITIONAL EQUIPMENT AVAILABLE:

- One (1) polyester webbing lift sling.

**Electrical (Basic boat)**

- 12 VDC electrical system (13 circuits);
- Three (3) battery banks (Optima batteries 34M / D34M) with selector/isolator switches;
- Dimmer switch (2) - instrument lights and separate dimmer for compass light.

ADDITIONAL EQUIPMENT AVAILABLE:

- Upgrade to two pole electrical system;
- Additional panel with 10 breakers;
- One (1) Battery condition indicator;
- One (1) 220 VAC (16 amp) shore-power system with battery charger;
- One (1) 50 Foot, 16 Amp, 220 Volt, 50 Hz. (European) Shore Power Cordset;
- One (1) 110 VAC (30 amp) shore-power system with battery charger;
- One (1) 50 Foot, 30 Amp, 110 Volt, 60 Hz. Shore Power Cordset;
- Galvanic isolation package;
- One (1) pair of deck lights;
- One (1) pair of flood lights, JABSCO;
- One (1) pair of LED deck lights;
- One (1) Handheld searchlight with accessory plug;
- 12 VDC Accessory plugs (marine & automotive style);
- Remote controlled spotlight;
- One (1) bilge blower;
- One (1) Blue strobe with mast;
- One (1) IR strobe with mast;
- One (1) pair of 110VAC receptacles;
- 12-24VDC converter.

**Navigation/communications (Basic boat)**

- Navigation lights in accordance with COLREGS '72 for vessels < 20 meters length;
- One (1) electric horn.

ADDITIONAL EQUIPMENT AVAILABLE:

- One (1) air horn;
- Ritchie Voyager F-82 magnetic compass. 3 inch, flush mount. Includes compass dimmer switch.
- Portable VHF ICOM IC-M32;



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- Fixed VHF ICOM IC-M604, with Alphanumeric keypad, 3dB antenna. Radio is black. (Unit is DSC capable to Transport Canada Class D).



#### OPTIONAL PACKAGE N°1

- Raymarine Raystar 125 WAAS/GPS sensor. (Unit is NMEA and Seatalk compatible). For use with Raymarine C and E series Multifunction Displays to add WAAS/GPS functionality;
- One (1) Raymarine C80 Multifunction Navigation Display, (radar, and/or chartplotter, and/or depth sounder) with 8.4 inch color LCD display. Uses Navionics Gold charts;
- Depth sounder Raymarine DSM300, SeaTalks Network HDFI Sounder with E66013 (P319), depth only, plastic, Through-Hull mounted transducer. For use with Raymarine C and E series Multifunction Displays to add Depth Sounder functionality. This unit can also have the transducer externally transom mounted by selecting option "TRANSDUCER, BRKT, 14 DEG," either GRP or ALUM as applicable.
- HD aluminum bracket, to allow P19, P319, P7, ST300 style, Through-Hull transducers to be mounted on aft face of transom, on GRP boats with a 14 degree transom.
- Raymarine 4kW, 24 inch Radome (48nm range). For use with Raymarine C and E series Multifunction Displays to add Radar functionality.
- Raymarine fluxgate Heading Sensor. For use with Raymarine C and E series Multifunction Displays to add fluxgate compass heading, MARPA, and radar/chartplotter overlay mode functionality.

#### OPTIONAL PACKAGE N°2

- GPS sensor Furuno BBWGPS, WAAS/GPS NavNet receiver antenna. For use with Furuno NavNet compatible displays to add WAAS/GPS functionality.
- RADAR/CHARTPLOTTER, FURUNO 1724C/NT LCD.
- HEADING SENSOR Furuno PG500R Heading Sensor. For use with Furuno NavNet compatible displays to add fluxgate compass heading functionality.
- NETWORK SOUNDER Furuno BBFF1, NavNet Network Sounder with 520-PLD (P319), depth only, plastic, Through-Hull mounted transducer. For use with Furuno NavNet compatible

- Intercom system Gentex LVIS digital system. All headsets are hardwired to the boat and when disconnected automatically switch over to wireless mode. There is a limit of 8 wireless stations (4 headsets required).
- David Clark intercom serie 9800

#### Fuel system (Basic boat)

- Twin fuel tank system for triple engines, aluminium, EC marked (2 x 132 US gal = 1000 liters) with fuel senders & gauge;
- Fuel fill standpipe with cam-lock cap;
- Vent lines;
- Fuel supply with shut off valves, diverter valves and fuel/water separators.

#### ADDITIONAL EQUIPMENT AVAILABLE:

- Remote fuel shutoff system;
- Upgrade to triple fuel tank system for triple engines, aluminium, EC marked (2 x 550 liters + 500 liters = 1600 liters) with fuel gauge;



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- Upgrade to stainless steel fuel tanks.





### Propulsion

- Three (3) outboard engines Mercury Verado 300HP;
- Mercury engine instruments & alarms;
- Mercury Verado electro-hydraulic power assisted steering system;
- Side top mounted triple control for throttle & gearshift;
- Man Over Board switch.

### ADDITIONAL EQUIPMENT AVAILABLE:

- Emergency steering system;
- Jump start connexion;
- Upgrade to steering wheel with control knob.

### Labeling items

- Label plates engraved – English language. Painted labeling is only utilized when the use of a label plate will interfere with the use of the labeled item;
- Hoist label plate and Boat Information label plate installed on aft face of console;
- Manufacturers label plate provided;
- Valve label plates are provided for all valves. Label Plate contains information necessary to describe the functional service of the valve;
- Label plates for all stowage locations, accesses and access panels;
- The label plates for each equipment contain instructions to cover the following, as applicable:
  - Safety precautions,
  - Starting procedures,
  - Operating instructions,
  - Securing procedures,
  - Emergency procedures.
- All systems are marked for identification, including the functional name of system (e.g., fuel) and, where necessary, the specific service (e.g., supply) is also included.

### Shipping/preparation

- Boat shrink-wrapped for shipment and delivery;
- Long-term preservation to manufacturer's procedure guidelines. Depreservation instructions to be provided on helm.

### Manual

- Commercial off the shelf (COTS) manuals – English language.
- Boat user and maintenance manual – English language.



*Images non contractuelles*

