



# ASIS

**BEACHLANDER AMPHIBIOUS**

**9.5 M** RHIB Technical Specification

# G GENERAL CHARACTERISTICS

Overall Length (Wheels Up)	9330 mm
Overall Width	2950 mm
Tube Diameter	D-Tube
No. Of Air Compartment	8
Engine installed	2x Mercury Verado F200Hp Outboard engines
Speed (Full throttle)	46 Mph
Approval	CE Category B Off-shore

## HULL AND DECK

- ◇ Deep V-Shaped GRP Light weight composite reinforced hull
- ◇ Non-Slip Deck surfacing
- ◇ Color: Off-white
- ◇ Anchor bulk head with locker
- ◇ Engine pit / well
- ◇ Built-in Cavity for Fuel Tank and Under Deck Dry Storage
- ◇ Dive-door at port side

# COLLAR

- ◇ ORCA Hypalon 1670 Dtex D- Tube with 8 Air Chambers
- ◇ Color: Off-White
- ◇ **Collar Accessories:**
  - Double Fender Strake
  - Exterior Safety Grab Rope
  - Interior Safety Grab Rope
  - Moulded handles 4 no,
  - Neoprene Patches on Tube
  - ASIS Logos
- ◇ Foot Air Pump 1 no.
- ◇ Repair Kit

# BOW RAMP

- ◇ Bow opening, remotely controlled, with boarding Hand railing

# CONSOLE

- ◇ Stand-up Single Console W/O forward seat
  - Windshield
  - S.S Grab Rail
  - Large dash board enough to install all gauges, Switches, Remote Control, Steering Wheel, etc

# SEATING

- ◇ ASIS Single Operator Leaning Bolster with Back Rest
- ◇ Foldable U Bench Seat at Stern, Starboard Side and Port Side

# EQUIPMENT

- ◇ S.S Bow Eyes 1 no. and two heavy duty S.S Transom tie-downs (Fair Lead)
- ◇ S.S Transom Strip
- ◇ S.S Polished pull-up Cleat. 8" (mooring at bow)
- ◇ Air Pump (1 No.) & Paddle (2 No.)
- ◇ Oars / Paddle
- ◇ Tube Repair Kit
- ◇ Anchor 7 Kg + 300 Mtr Rope

# HOISTING

- ◇ S.S Heavy Duty Lifting Points (2 No. at Transom & 2 No. at Front)

# BILGE PUMPING / DRAINING

- ◇ High Capacity Deck Self Drains 2 no.
- ◇ Hull Drains 1 No.
- ◇ Electrical Bilge Pumps (2) 500GPH With Float Switch

# FUEL SYSTEM

- ◇ S.S Built-in Fuel tank 310L with Sender Unit 1 no.
- ◇ Fuel Gauges and Fuel Fillers
- ◇ Fuel Sender Access Hatch on Lid
- ◇ Fuel & Water Separator

# ELECTRICAL

- ◇ 12 VDC Electrical Distribution Bus System with Breaker panels & Battery Isolators
- ◇ Marine AGM Battery Banks , Trey & Selector / Isolate Switches
- ◇ Marine Water Proof Switch panel with circuit breaker
- ◇ LED Anchor light IAW COLREGS
- ◇ LED Navigation lights IAW COLREGS
- ◇ Bow-mounted LED marine headlight (land use only)
- ◇ Accessory Receptacle 12VDC 1 x Automotive style and 1 X USB Style

# COMMUNICATION SYSTEM

- ◇ Garmin GPS Map 722XSV Chart Plotter 7" Screen, Garmin Blue Chart G2 Vision SD Card (Australia) , Garmin Remote Depth Sounder, Garmin in-hull Transducer
- ◇ Garmin® 115i VHF Marine Radio with antenna & mount
- ◇ FUSION® MS-UD755 Marine Stereo System with UNI-Dock / Bluetooth / Radio / USB / AUX
- ◇ and 2 x FUSION 6" Marine Loud Speakers
- ◇ Offshore® Model 95 Compass, Lighted, Dash-Mounted

# PROPULSION

- ◇ Twin Mercury Verado F200Hp XL/CXL Outboard Engines (Incl. Top Mount remote control. Electro-Hydraulic Steering System, DTH Fly By Wire remote control, Vessel View 7" and installation & commissioning)

# **AWD 4 X 4 Amphibious Enablement System with Diff-lock**

# H YDRAULIC POWER UNIT

- ◇ Briggs and Stratton 27 kW (35HP), EFI engine equipped with “control by wire” (CBW). CBW technology removes the need for mechanical cable connections which provides greater installation options and “smart” stability of operation

## **Other features of the engine:**

- Equipped with an oxygen sensor to reduce emission
- Engine speed monitoring for stability of operation
- Consistent, easy starting
- Superior fuel economy
- On-board diagnostics for remote fault finding

# H YDRAULICS

- ◇ Hydraulic system provides max on land travel speed of 9.5km/h.
- ◇ The hydraulic pump with electro proportional servo control system
- ◇ One-piece custom hydraulic valve block with integrated hydraulic filter
- ◇ Pump and hydraulic valve block integrated as part of the tank
- ◇ Full system monitoring using transducers to measure oil level, pressures, temperature and
- ◇ filter condition
- ◇ Synthetic hydraulic oil
- ◇ Corrosion proof hydraulic hoses
- ◇ All hydraulic cylinders have in built load holding valves
- ◇ Diff-Lock
- ◇ Hydraulic Tie Bar

# WHEELS/TYRES

- ◇ Custom rim manufactured with offset to place load in optimum position over hydraulic motor bearings
- ◇ 26x12x12 turf tyres
- ◇ Wheels are marine coated

# PROGRAMMABLE LOGIC CONTROLLER (PLC)

- ◇ All functions of the system are controlled via a PLC allowing:
- ◇ Full system monitoring and on-board diagnostic capabilities
- ◇ Remote monitoring of system performance and service support
- ◇ Self centring of steering wheel assembly
- ◇ Brakes with auto on feature if no drive signal received after 5 secs
- ◇ Auto engine speed control for wheel retraction/extension
- ◇ CAN Bus system. Sending control signals as data.

# USER INTERFACE (UI)

- ◇ There are three electronic UI components i.e. joystick, keypad and "System Fault" LED
- ◇ An optional "system scanner" is available

# 4 WHEEL DRIVE SYSTEM

- ◇ 2 x Front Wheels and 2 x Stern Wheels