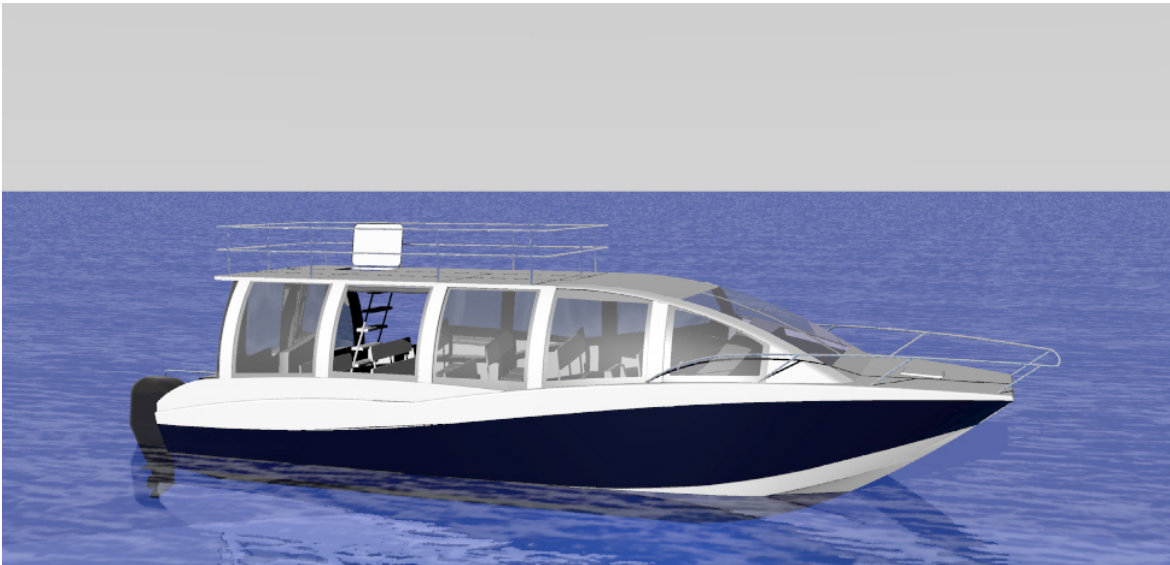


# Unathi / Roman Bay 38' – Ferry / Water Taxi

## TECHNICAL SPECIFICATIONS

1. GENERAL
2. STRUCTURE
3. MECHANICAL
4. TANKS & PIPING SYSTEMS
5. ELECTRICAL & ELECTRONICS
6. DECK HARDWARE
7. INTERIOR



## 1. GENERAL

Length	11.88 m / 38.9'
Length at waterline	9.350 m / 30.7'
Beam	3.675 m / 12.05'
Draft (lightship)	0.53m / 1.7'
Boat weight (lightship)	5.3 t
Engines (Two)	Suzuki 200 hp
S/S Hydrofoils	
Fuel capacity	500l (2x250)
Cruising speed / Max speed	22 Knots / +32 Knots
Fuel consumption / Range	1.4l/km

## 2. STRUCTURE:

### HULL:

Female molded Polyester/E-glass construction with isophthalic gelcoat.  
Balsa coring in hull sides for the high strength/weight ratio & excellent thermal insulation.  
Single skin bottom laminate.  
Reinforcement for foils and structure.  
One-piece hull lamination with flange for deck attachment.  
Antifouling with prime coat.

### DECK:

Polyester/E-glass construction. White as standard.  
Nidacore in deck for the high strength/weight ratio & excellent thermal insulation.

### HULL TO DECK JOINT:

Hull and deck joined with high strength adhesive sealant, glassed from underneath.  
Rubrail from plastic and rubber.

### STRUCTURE:

Integral glass-fiber webframe (sub-floor framing structure) utilizing bi- and uni-directional E-Glass, for hull stiffness, strength.  
Structural bulkheads marine plywood and major furniture components bonded to hull and deck

### **3. MECHANICAL:**

#### GENERAL NOTES

All systems are correctly installed in accordance with classification society rules and accepted marine practice, and pressure tested prior to commissioning.

#### ENGINES

2 Suzuki 250hp counter rotating engines are mounted on board.

#### ENGINE CONTROLS

The throttle controls are electric, type **Suzuki supplied**.

Hydraulic steering with mechanical tiebar.

#### FIRE SYSTEM

For each engine, there are a 2kg powder extinguisher.

### **4. TANKS & PIPING SYSTEMS**

Two tanks gauges, analog.

#### FUEL TANKS

Fuel tanks to be aluminum/stainless tanks, 2X300L.

All tanks will have an inspection hatch large enough for access.

Siphons are installed. They are located on the top of the tank.

A level gauge is installed; reading is made at the chart table.

All tanks are appropriately baffled.

316 s/s fuel filler, labeled Petroll, is provided on deck.

#### FILTERS AND FUEL LINES

The separator filters are **Racor**. These filters, 1 per engine, are installed local to each engine and are easily accessible. 2 spare filters elements are supplied.

All fuel lines are in fire resistant marine grade A1 materials.

#### BILGE SYSTEM

There are 2 distinct bilge zones, 1 per hull

One **Jabsco** hand operated bilge pumps from cockpit servicing each hull's watertight compartments

### **5. ELECTRICAL & ELECTRONICS:**

#### 12V DC SYSTEM:

12V DC System:

Breaker panel

(2) Separate 12V 140A batteries: for engine start

Navigation Lights - **Aquasignal**

Horn - **Marco**

All wiring accessible, labeled and in appropriate conduits, spare chases to accommodate future wiring.

## **6. DECK HARDWARE:**

Layout & Features:

Cockpit hard top.

15kg "CQR" anchor, 5m x 6mm chain & 50m rope.

Single helm seat.

### MARINE GRADE DECK STAINLESS:

Stainless steel bow rail.

Stern pulpit

Stainless cleats

Stainless steel top rail

Bow bollard

### Galvanized mild steel painted white

Strair rails

Upper deck supports x 6

### HELMSTATION

Cockpit hard top.

Acrylic windscreen.

Storage: Where available, flow-coated

## **7. INTERIOR**

10 x Female molded Polyester seats/stowage bins, upholstered with lifting lids.

Side panels to be canvas and plastic with zip to roll up for stowage.