



Technical specification

LAGOON

## Contents

Technical datas.....	2
Construction.....	3
Sails and riggings .....	3
Hardware.....	3
Mooring.....	3
Various equipment .....	4
Motorization .....	4
Plumbing.....	4
Electrics.....	4
Deck layout.....	5
Interior layouts .....	5
Available version.....	6
3 cabin 3 bathroom version.....	7
4 cabin 4 bathroom version .....	10

**Technical datas**

Length over all LOA	11,55 m / 37'11"
Length water line	11,00 m / 36'1"
Beam over all	6,53 m / 21'5"
Mast clearance	17,32 m / 56'10"
Draft	1,15 m / 3'9"
Displacement (ECC)	7,26 t / 16005 Lbs
Upwind sail area	77m <sup>2</sup> / 829 sq.ft.
Full batten mainsail	47 m <sup>2</sup> / 506 sq ft
Square top mainsail (option)	52 m <sup>2</sup> / 560 sq ft
Furling genoa	30 m <sup>2</sup> / 323 sq ft
Gennaker	53 m <sup>2</sup> / 570 sq ft
Fresh water capacity	1 x 300 l / 1 x 79 US Gal
Fuel capacity	2 x 100 l / 2 x 26 US Gal
Engines	2 x 21 cv to 2 x 30 cv
Architects	VPLP Design
Interior Design	Xavier Faÿ
Number of berths	6 to 8
EC Certification	A : 8 ; B : 10 ; C : 12

## Construction

- Polyester and high quality anti-osmotic resin
- Hull and deck laminated by infusion
- Balsa core hull, solid laminate under water line, white gel coat
- Balsa core bridge deck and deck
- Laminated marine plywood bulkheads

## Sails and riggings

### SAILS

- 1 high roach mainsail in Dacron with battens and LAGOON logo, 2 straps
- 1 furling genoa in Dacron with UV protective band, 1 strap

### RIGGING

- Anodized aluminum mast put on the roof
- 1 spreader rig
- Anodized aluminum boom
- 2 encased shrouds
- 1 forestay shrouds on transversal cross beam
- 2 adjustable lazy-jacks

### RUNNING RIGGING

- 1 double purchase mainsail halyard
- 1 genoa halyard
- 1 mainsail sheet led back to helm station with adjustment pulley and track at the bottom of the cockpit
- 2 genoa sheets led back to helm station on port side
- 2 reef lines (1<sup>st</sup> in dymena)
- 1 fixed main sail outhaul
- 1 mainsail topping lift
- 1 genoa furling line

## Hardware

- 1 winch 46.2STA for genoa sheet
- 1 winch 40.2 STA for halyards
- 1 winch handle with holder
- 2 adjustable genoa sheet travelers
- 1 weather vane windex

## Mooring

- Composite longitudinal crossbeam with avec integrated chain run and mooring cleats
- 8 mooring cleats
- 1000W 12V electrical windlass on the deck, horizontal gypsy (chain 10mm) in anchor locker

## Various equipment

- Pushpits with on port flag pole and buoy bracket
- 2 ranges of s/s life line on the sides
- Height of the stanchions : 600 mm
- S/s handrails

## Motorization

- 2 diesel engines YANMAR 3YM20 21cv sail drive
- 2 blades fixe propeller
- Sea water filter
- Mechanical engine throttles at the helm station
- Air extraction
- Ventilation of the engine compartment : natural suction and forced extraction in the aft transom
- Sound-proofing of the engine compartment
- Fuel circuit :
  - 2 rotomoulded tanks of 100 liters
  - Fuel filter
  - Fuel shut off valve
  - Gauge at the general distribution panel

## Plumbing

Fresh water circuit:

- Fresh water tank : 300L with gauge at the chart table
- Fresh water circuit with 1 main water group in the forward portside cabin
- 22L water heater, starboard engine exchanger

Grey water:

- Shower and washbasin drain to grey water tank and automatic pump

Black water:

- 1 holding tank 83L in each hull (total 166L)

Bilge pump circuit:

- 1 manual bilge pump in aft cockpit
- 1 automatic bilge pump in each hull

## Electrics

Power circuit:

- 2 alternators 12V 80AH
- 2 start batteries 12V 110A
- 2 service batteries 12V 140Ah

Batteries breaker under the bed of the aft starboard cabin

**Distribution Electric panel:**

- 12V general distribution panel at the chart table
- Voltmeter, ammeter, circuit breakers, panel lighting, cigarette lighter

**Lighting:**

- 12V LED outside lighting
- 12V LED inside lighting
- Navigation lights
- 12V engine compartment lighting

**Deck layout****TRANSOM**

- Hot/cold deck shower on portside
- S/s telescopic swim ladder with fixe handles on portside
- Access to engine compartments through hatches in the aft transom

**AFT COCKPIT**

- Large cockpit usable as a deck salon, protected by a hard top bimini (option)
- Bench with locker
- Gas locker (2 bottles of 10 kg)
- Wooden coffee table (dinner polyester table in option)
- Self-draining cockpit

**HELM STATION**

- Helm station on the roof bulkhead with :
  - Engine throttles
  - Engine Instrumentation
  - Compass
  - Space for electronics
- 2 seats helm bench

**FORWARD COCKPIT**

- Trampoline with nylon thread

**BOW LOCKERS**

- Access through opening deck hatches with lock
- Grey painting

**Interior layouts****GENERALITIES**

- Interior woodwork in marine plywood and Alpi Walnut
- Asburgo laminated floor
- Fabric-covered plywood ceiling panels or fiberglass liners in cabins and wash rooms
- Fabric-covered plywood on hull liner in cabins
- Polyester ceiling

**STANDING HEADROOM**

- Salon : 2.12m
- Cabin : 1.90m
- Bathroom : 1.94m

**MATTRESS AND UPHOLSTERY**

- Marine mattresses made of multi-layer alveolar foam with several densities (tick. 130mm)
- Mattresses treatment: anti-microbial, anti-bacterial, non-allergenic, anti-dust mite
- Standard upholstery as indicated on Lagoon sample book
- Synthetic fabrics adapted to marine environment:
  - washable (40°C)
  - U.V. resistant
  - water repellent, with anti-stain treatment
- Blackout curtains in the cabins and salon

**LIGHTING**

- 12V LED ceiling spotlights
- 12V LED reading lights headboard
- 12V LED reading lights at the chart table
- 12V lighting in the engine compartment

**Available version**

- 3 cabins, 2 bathrooms
- 4 cabins, 2 bathrooms

### 3 cabin 3 bathroom version



#### SALON

- Sliding door and window with aluminum locker for the access to the cockpit, can be locked open or closed
- 6 people varnished salon table exchangeable with the polyester table from the cockpit
- 2 benches, one in curve
- Lockers under the bench

#### CHART TABLE

- Panel for navigation instruments
- Desk with flaps

#### GALLEY

- Long galley on aft starboard
- Compact countertop
- Double large s/s sink with hot/cold mixer tap
- Cupboard under sink
- 3 burners stove and enameled gas oven
- Waste bin
- Cutlery drawer and cupboard
- High cupboard 2 doors
- 12V Electrical fridge (184L)





## PORTSIDE HULL

### Aft cabin

- 1 double bed with front access 1,60m x 2,00m
- Various storage :
  - Cupboards
  - Wardrobes
  - Shelves
  - 1 opening deck hatch
  - 1 opening hull porthole
  - 1 fixe hull window

### Shared bathroom

- Composite countertop
- Washbassin with hot/cold mixer tap
- High cupboard, doors with mirror
- Shower compartment and added sink unit
- anti-skid diamond floor
- Big size manual toilet
- 1 opening deck hatch

### Forward cabin

- 1 trapezoidal bed 2,0 x 1,56 x 0,90 m
- Various storage :
  - Cupboards
  - Wardrobes
  - Shelves
- 1 opening deck hatch
- 1 opening hull porthole
- 1 fixe hull window

**STARBOARD HULL****Cabin**

- 1 double bed with front access 1,60m x 2,00m
- Various storage :
  - Cupboards
  - Wardrobes
  - Shelves
  - 1 opening deck hatch
  - 1 opening hull porthole
  - 1 fixe hull window

**Bathroom**

- Composite countertop
- Washbassin with hot/cold mixer tap
- High cupboard, doors with mirror
- Separate shower with Plexiglas door
- Anti-skid diamond floor
- Big size manual toilet
- 1 opening deck hatch
- 1 opening hull porthole
- 1 fixe hull window

## 4 cabin 4 bathroom version



### SALON

- Sliding door and window with aluminum locker for the access to the cockpit, can be locked open or closed
- 6 people varnished salon table exchangeable with the polyester table from the cockpit
- 2 benches, one in curve
- Lockers under the bench

### CHART TABLE

- Panel for navigation instruments
- Desk with flaps

### GALLEY

- Long galley on aft starboard
- Compact countertop
- Double large s/s sink with hot/cold mixer tap
- Cupboard under sink
- 3 burners stove and enameled gas oven
- Waste bin
- Cutlery drawer and cupboard
- High cupboard 2 doors
- 12V Electrical fridge (184L)

**PORTSIDE HULL****Aft cabin**

- 1 double bed with front access 1,60m x 2,00m
- Various storage :
  - Cupboards
  - Wardrobes
  - Shelves
  - 1 opening deck hatch
  - 1 opening hull porthole
  - 1 fixe hull window

**Shared bathroom**

- Composite countertop
- Washbassin with hot/cold mixer tap
- High cupboard, doors with mirror
- Shower compartment and added sink unit
- anti-skid diamond floor
- Big size manual toilet
- 1 opening deck hatch

**Forward cabin**

- 1 trapezoidal bed 2,0 x 1,56 x 0,90 m
- Various storage :
  - Cupboards
  - Wardrobes
  - Shelves
- 1 opening deck hatch
- 1 opening hull porthole
- 1 fixe hull window

**STARBOARD HULL**

Identical to the portside hull



LAGOON

162, quai de Brazza  
CS 81217  
33072 Bordeaux Cedex - France  
Tél. 33 + (0) 557 80 92 80  
E-mail : [info@cata-lagoon.com](mailto:info@cata-lagoon.com)  
[www.cata-lagoon.com](http://www.cata-lagoon.com)