



## Technical Specifications

LAGOON

## Contents

Technical datas.....	2
Construction .....	3
Sails and riggings .....	3
Hardware.....	3
Mooring .....	3
Various equipment .....	4
Motorization.....	4
Plumbing.....	4
Electrics .....	5
Deck layout.....	5
Interior layouts .....	7
Available version .....	7
Salon (common to all versions).....	8
3 cabin 3 head version.....	9
4 cabin 4 head version.....	11

## Technical datas

Length over all LOA	13,99 m
Length	13,76 m
Beam over all	8,10 m
Mast clearance	25,07m
Draft	1,30 m
Displacement (ECC)	15,75 t
Max. loaded displacement	23,2t
Upwind sail area	140 m <sup>2</sup>
Full batten mainsail	89,6 m <sup>2</sup>
Self-tacking jib	50,4m <sup>2</sup>
Fresh water capacity	2 x 300l / 2 x 46 US gal
Fuel capacity	2 x 520l / 2 x 137 US gal
Standard motorization	2 x 45 hp CR to 2 x 57 hp CR
Architects	VPLP Design
Interior Design	Nauta Design
Number of berth	6 to12
EC Certification	A : 12 - B : 14 - C : 20 - D : 30

## US SPECIFICATIONS

*Only for boats sold in USA*

- 110V heating element in water heater
- Holding tank with gravity drain/deck pump out in each head
- 1/2" windlass gypsy for non-metric chain
- Gas propane circuit with solenoid valve

## Construction

- Polyester and high quality anti-osmotic resin
- Hull and deck laminated by infusion
- Balsa core hull, white gel coat
- Balsa core bridge deck and deck
- Laminated/glued marine plywood bulkheads

## Sails and riggings

### SAILS

- 1 high roach mainsail in Dacron with battens and LAGOON logo
- 1 self-tacking jib in Dacron with UV protective band

### RIGGING

- Tripod aluminum mast with mainsail track and ball-bearing
- Aluminum boom
- 2 encased shrouds
- 1 jib forestay with manual furler
- 2 lazy-jacks for the mainsail
- Deck light on the mast

### RUNNING RIGGING

- 1 double purchase dynema mainsail halyard
- 1 dynema jib halyard
- 1 mainsail sheet pre-stretched
- 2 jib sheets pre-stretched
- 3 reefing lines pre-stretched (1st dynema)
- 1 jib furling line pre-stretched
- 2 mainsail traveler car control lines pre-stretched

## Hardware

- 2 manual winches 50.2 STA and 1 manual winche 40.2 STA STA (mainsail maneuver)
- Mainsail track and ball-bearing
- Self-tacking jib track with and stopper
- Anodized aluminum crossbeam with mooring point for the jib furler, anchor/mooring line roller

## Mooring

- Composite longitudinal crossbeam with avec integrated chain run and mooring cleat
- 8 mooring cleats

- 1700W 12V electrical windlass with vertical axe in anchor locker, chain 12mm
- Access to the windlass and to the anchor locker through a vertical hatch

### **Various equipment**

- Outside pushpits
- Inside pushpits with on port with flag pole and buoy bracket
- Height of the stanchions : 610mm
- 2 ranges of life line (296mm/614mm)

### **Motorization**

- 2 diesel engines YANMAR 4JH45 45cv common rail sail drive
- 2 fixe-blade propellers
- Sea water filter
- Mechanical engine throttles at the helm station
- Ventilation of the engine compartment : electrical extraction in the aft transom
- Sound-proofing of the engine compartment with foam, access by dedicated hatches
- Fuel circuit :
  - 2 aluminum tanks of 520 liters (under the aft cabin floor, port/starboard)
  - Fuel filter systems
  - Fuel shut off valve
  - Gauge at the general control panel

### **Plumbing**

#### **FRESH WATER CIRCUIT**

- Fresh water tank : 2 x 300L with gauge at the chart table
- Fresh water circuit with 1 main water group in the port companionway
- Hot water circuit with 1 water heater 60L with , 220V resistor and engine exchanger

#### **GREY WATER**

- Shower drain by tempo and push-button

#### **BLACK WATER**

- 2 black water tanks about 120L (240L in total) under the companionway floor, part & starboard

#### **BILGE PUMP CIRCUIT**

- 1 manual bilge pump in each hull with cockpit pump
- 1 automatic immersed bilge pump by hull
- 1 manual release non-immersed bilge pump by hull

## Electrics

### POWER CIRCUIT

- 2 alternators 12V 125A
- 2 start batteries 12V 110A
- 3 service batteries 12V 140Ah

Batteries breaker in the engine locker, port & starboard

### DISTRIBUTION ELECTRIC PANEL

- 12V General distribution panel at the chart table with protection by circuit breaker
- Ammeter, voltmeter, circuit breaker, panel lighting, USB outlet

### LIGHTING

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

## Deck layout

### TRANSOM

- Hot/cold deck shower on port
- S/s telescopic swim ladder with fixe handle on port
- Storage on the side of the transom, port & starboard

### AFT COCKPIT

- Large cockpit usable as a deck salon, protected by a hard top bimini
- Gas locker in the cockpit furniture (1 bottle of 13 kg)
- L-bench with storage locker on port
- Polyester cockpit table (820x1400mm) on port
- Storage locker on port
  - Functions :
    - Storage with top opening (70 L)
    - Wast bin with upper access and lateral door on port
- Storage locker on starboard
  - Functions :
    - Integrated sink (option)
    - Synthetic resin countertop
    - Tray and cup holder
    - Double door with shelves
- 1 "Lazy boy" area with locker in the seat on starboard
- Composite aft beam :

- Seat
- Liferaft compartment
- Polyester fiddle anti-runoff on the sides of the cockpit
- Access to the engine locker by hatches with gaz strut

#### **FLYBRIDGE**

- 2 staircases to access from the deck and from the cockpit
- Large bench to welcome 6 people
- Sunbed location beyond the bench
- Communication porthole with the cockpit
- Ergonomic helm station with :
  - Covered steering wheel (ø900mm) with brake
  - Engines throttle and panel
  - Compass
  - Console for screen and instrumentation
  - Cup holder
  - Halyards storage for running rigging

#### **FORWARD COCKPIT**

- « U » seating area
- Storage locker under the portside seat – generator option
- Storage locker under the central seat – fresh water tanks
- Storage locker under the starboard seat
- Trampoline with nylon thread

#### **BOW LOCKERS**

- Access through opening deck hatches with locker
- Wooden floor
- White painting
- Lighting

## Interior layouts

### GENERALITIES

- Interior woodwork in Alpi Walnut plywood
- Asburgo laminated floor
- Access to the cabins and bathrooms without doorstep
- Fabric-covered plywood ceiling panels or fiberglass liners in cabins and wash rooms
- Fabric-covered plywood on hull liner in cabins

### STANDING HEADROOM

- Salon : 1.97 m
- Cabin : 1.95 - 1.96 m
- Bathroom : 1.91 - 1.97 m

### MATTRESS AND UPHOLSTERY

- Marine mattress in foam High Resilience 35kg/m<sup>3</sup> (thickness 120mm)
- 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 pleated shades in the cabin
- Blackout curtains in the salon (only on the roof windows)

### LIGHTING

- LED ceiling spotlights
- LED reading lights for headboard
- LED reading light with red LED light at the chart table

### Available version

- 3 cabins, 3 heads
- 4 cabins, 4 heads



## Salon (common to all versions)



### SALON

- Sliding door and window with aluminum locker for the access to the cockpit, can be locked open or closed
- Large varnished salon table exchangeable with the polyester table from the cockpit and convertible in berth (option)
- 6 seats « L » bench on starboard
- Lockers under bench
- Various high and low storage on the starboard cupboard in front of the table
- Mast pillar: square, stainless steel mirror polished

### CHART TABLE

- Large instrument console with panel to install the electronics
- Desk with flap
- 2 storage niches

### GALLEY

- « U » shape galley on portside
- Synthetic resin countertop
- Large tray s/s sink with hot/cold mixer tap
- Storage under the sink
- 3 burners gas stove
- Grill oven with s/s inside
- Drawer above the oven
- 12V 130L fridge
- Storage unit with drawers (dishwasher option)
- High cupboards on portside (microwave option)

### 3 cabin 3 head version



#### PORT HULL

##### Aft cabin

- 1 double bed with lateral access (2.05 x 1.60 m at the largest)
- 2 bed nightstands
- 1 under bed drawer
- 1 low furniture with storage + 1 high furniture with shelves, outboard side
- 1 long shelf, inboard & outboard side
- 1 wardrobe, inboard side
- 1 opening deck hatch
- 1 opening hull porthole
- 1 hull fixe window in Plexiglas white silkscreen printing 1525x275 mm

##### Aft/Forward head

- Synthetic resin countertop
- Washbassin with hot/cold mixer tap
- High cupboards and 1 door with mirror + under washbasin cupboard
- Separate shower with Plexiglas door
- Shower grating
- Big size manual toilet
- 1 opening deck hatch
- Fixe window in the shower 450x275mm

##### Forward cabin

- 1 double bed with frontal access (2.05 x 1.60 m at the largest x 1,10m at the foot)

- 1 under bed drawer
- 1 furniture with shelves in the upper part, inboard side
- 1 opening deck hatch
- 1 opening hull porthole
- 1 hull fixe window in Plexiglas white silkscreen printing 1525x275 mm

## STARBOARD HULL

### Owner cabin

- Sliding door with locker
- 1 double bed with lateral access (2.05 x 1.60 m at the largest)
- 2 bed nightstands
- 1 under bed drawer
- 2 seats sofa with storage
- Dessert trolley on the side of the sofa
- Desk with flap
- Wardrobe, inboard side
- Outboard side, cupboard unit with :
  - Double bookcase
  - Furniture with 3 drawers and shelves – lower part
- 3 opening deck hatches
- 1 opening hull porthole
- 2 hull fixe windows in Plexiglas white silkscreen printing 1525x275 mm & 1140x275 mm

### Owner head

- Synthetic resin countertop
- Washbasin with hot/cold mixer tap
- Low cupboard, 4 doors under the washbasin, inboard side
- High cupboard, 1 door with mirror, inboard side
- Low cupboard, 3 doors + wardrobe + dressing table with 3 flaps, outboard side
- Large separate shower with Plexiglas glass door
- Composite shower grating
- Big size manual toilet with washbasin separated from the head
- High cupboard, 1 door with mirror above the toilets + low cupboard, 2 doors under the washbasin
- 1 opening deck hatch
- 1 opening hull porthole
- 1 hull fixe window in Plexiglas

## 4 cabin 4 head version



### PORT HULL

#### Aft cabin

- 1 double bed with lateral access (2.05 x 1.60 m at the largest)
- 2 bed nightstands
- 1 under bed drawer
- 1 low furniture with storage + 1 high furniture with shelves, outboard side
- 1 long shelve, inboard & outboard side
- 1 wardrobe, inboard side
- 1 opening deck hatch
- 1 opening hull porthole
- 1 hull fixe window in Plexiglas white silkscreen printing 1525x275 mm

#### Aft/Forward head

- Synthetic resin countertop
- Washbassin with hot/cold mixer tap
- High cupboards and 1 door with mirror + under washbasin cupboard
- Separate shower with Plexiglas door
- Shower grating
- Big size manual toilet
- 1 opening deck hatch
- Fixe window in the shower 450x275mm

#### Forward cabin

- 1 double bed with frontal access (2.05 x 1.60 m at the largest x 1,10m at the foot)

- 1 under bed drawer
- 1 furniture with shelves in the upper part, inboard side
- 1 opening deck hatch
- 1 opening hull porthole
- 1 hull fixe window in Plexiglas white silkscreen printing 1525x275 mm

**STARBOARD HULL**

Identical to the port 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)