



Technical specification

LAGOON

Content

Content.....	1
Technical datas.....	2
Construction.....	3
Sails and riggings.....	3
Hardware.....	3
Mooring.....	4
Motorization.....	4
Plumbing.....	4
Bilge pump system.....	5
Electricity.....	5
Deck layout.....	6
Various equipment.....	6
Windows, opening and ventilation.....	7
Bow lockers.....	7
Interior layouts.....	7
Available version.....	8
Salon (common to all version).....	9
3 cabin 3 bathroom version.....	11
4 cabin 4 bathroom version.....	14
6 cabin 6 bathroom version.....	16

Technical datas

Length overall LOA	14,75 m / 48'5"
Length waterline	14,31 m / 46'1"
Beam overall	8,10 m / 26'7"
Mast clearance	26,51 m / 87'
Draft	1,40 m / 4'7"
Displacement (EC)	20,83 T / 45 921 Lbs
Full charge displacement	29 T / 64 077 Lbs
Upwind sail area	158,1 m ² / 1701 sq.ft.
Square top mainsail (option)	97,8 m ² / 1052 sq.ft.
Self-tacking jib	60,3 m ² / 649 sq.ft.
Code 0 (option)	114 m ² / 1227 sq.ft.
Fresh water capacity	2 x 240 l (Option 2 x 175 L) 2 x 63 Lbs (Option 2 x 46 Lbs)
Fuel capacity	2 x 520 l / 2 x 137 US gal
Engines	2 x 57 hp CR to 2 x 80 hp CR
Architects	VPLP Design
Exterior Design	Patrick Le Quément
Interior Design	Nauta Design
Number of berths	6 to 14
EC Certification	A : 12 - B : 14 - C : 20 - D : 30

US SPECIFICATIONS

Only for boats sold in USA

- 110V heating element in water heater
- Gas propane circuit with solenoid valve
- 1/2" windlass gypsy for non-metric chain
- US 110 V socket

Construction

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

Sails and riggings

SAILS

- 1 high roach mainsail in Dacron with battens
- 1 self-tacking jib in Dacron on furler with UV protective band,

RIGGING

- Anodized aluminum mast with mainsail track and ball-bearing
- 4 diamond spreader rig
- Round section pillar, stainless steel mirror polishing
- Anodized aluminum boom
- 2 encased shrouds
- 1 forestay with furler for self-tacking jib
- Adjustable lazy-jacks
- Deck light on the mast

RUNNING RIGGING

- 1 double purchase spectra mainsail halyard
- 1 spectra self-tacking jib halyard
- 1 mainsail sheet pre-stretched
- 1 self-tacking jib sheet pre-stretched
- 1 boom topping lift
- 3 reefing lines pre-stretched (1st dynema)
- 1 genoa furling line pre-stretched
- 2 mainsail traveler car control lines pre-stretched
- 1 self-tacking jib furler pennant pre-stretched
- 1 mainsail track pennant pre-stretched

Hardware

- 3 manual winches size 50.2 STA
- Mainsail track and ball-bearing
- 2 mainsail track rope clutch
- Track for jib sheet with rope clutch
- Anodized aluminum cross beam with mooring point for the jib furler and the davit

Mooring

- Composite longitudinal crossbeam with avec integrated chain run and mooring cleat
- 8 mooring cleats
- 1500W 12V electrical windlass with vertical axe, in mooring locker, chain 12mmr
- Access to windlass and to anchor locker

Motorization

- 2 diesel engines YANMAR 4JH57 57cv common rail sail drive
- Engine panel
- Propeller : 3- blade fixe propeller 18x15
- 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
- Fuel circuit :
 - 2 aluminum tanks of 2 x 520 liters
 - Fuel filter systems
 - Fuel shut off valve
 - Gauge at the general control panel on touch screen
- Access to engine compartments through hatches with gas strut
- Fuel shut off valve under the berths of the aft cabins

Plumbing

FRESH WATER CIRCUIT

- Fresh water tank : 2 x 240L under floor
Gauge at the general control panel on touch screen
- Fresh water circuit with 1 main water group 36L
- 60L electric water heater, 220V/engine exchanger for 3 and 4 cabin versions
- 100L electric water heater, 220V/engine exchanger for 6 cabin version

GREY WATER

- Shower and washbasin drain to grey water tank and automatic pump
- Cockpit and salon grey water drain directly overboard
- Heads grey water: shower and washbasin grey waters drain to grey water box integrated in the composite shower tray. Dedicated unit pump.

BLACK WATER

- Black water tank : 2 x 120L, one tank by hull under floor
Tank drain by switch. Switch and gauge at chart table
- Manual sea water WC

- Filler on deck

Bilge pump system

- 1 manual bilge pump by hull
Engine compartment and forepeak connection by valve
Location: 1 manual pump on starboard seat + 1 manual pump on port seat
- 1 automatic immersed bilge pump by hull + 1 sensor by sump
Bilge pump management at the at the general control panel at chart table
(Alarm signal at chartable and flybridge)

Electricity

12V - DC POWER CIRCUIT

- 2 alternators 12V 80A
- 2 start batteries 12V - 50 A
- 3 service batteries 12V -140A (acide)
Batteries in composite box
- Battery breaker in the engine compartment (positive break only)
Double battery breaker board:
 - Starboard: engine battery breaker + Coupling
 - Port: engine battery breaker + service battery breaker
- General control panel 12V at chart table with circuit breaker protection
- Tableau général de distribution 12V à la table à cartes avec protection par
- USB sockets 12V included in the electrical panel
- USB sockets 12V at helm station (x2)

220V - AC CIRCUIT

- Inverter 12/220V 50 Hz 150W for operating of burner stove, PIEZZO

LIGHTING

- Exterior lighting LED 12V
- Interior lighting LED 12V
- Navigation lights LED

Deck layout

TRANSOM

- Hot/cold deck shower on starboard
- Stainless steel swim ladder with handle on starboard

AFT COCKPIT

- Large cockpit usable as a deck salon, protected by a hard top bimini
- Bench with large storage locker on portside
- Gas locker under the stairs (1 bottle of 13kg)
- Polyester cockpit table (1400 x 824mm) for 10 people on portside
- Exterior furniture on starboard :
Functions:
 - Sink integrated to the composite furniture
 - Corian top
 - Tray and cup holder
 - Double door with shelves for storage
- Lazy-boy/seat on starboard with large storage locker
- Composite aft beam :
 - Seats
 - Liferaft locker under seat
- Composite washboard on cockpit sides

FLYBRIDGE

- 2 staircases to access from the deck, integrated to the roof
- Large bench with backrest, helm seat
- Access and large storage locker under the sun pads
- Ergonomic helm station with :
 - Leather covered steering wheel and brake
 - Engine throttle and panel
 - Console for screen and instrumentation
 - Cup holder
 - Halyards and sheets storage

FORWARD COCKPIT

- 2 large storage locker under seats
- Trampoline with nylon thread

Various equipment

- Pushpits
- Pullpits with flag support
- Stanchions : H 610mm

- 2 ranges of lifelines

Windows, opening and ventilation

- Sliding door
- Deck hatches :
 - Flush deck hatch T10 (quantity 6)
 - Flush deck hatch T44 (quantity 4)
 - Flush deck hatch T60 (quantity 2)
- Hull portholes
 - Side fixe PMMA (quantity 6) with integrated opening porthole (quantity 8)

Bow lockers

- Bow lockers with access through flush deck hatches with lock, LEWMAR T60
- Wooden floor
- Grey painting
- Lighting

Interior layouts

GENERALITIES

- Construction in Alpi Walnut plywood, horizontal grain
- Plywood floor : ROVERE ASBURGO
- Finishing : UV varnish
- Leather/leatherette covered handrail
- Fabric-covered plywood ceiling panels or fiberglass liners in cabins and heads

STANDING HEADROOM

- Salon 2.05m
- Cabin 2.00m
- Head 2.00m

MATTRESS AND UPHOLSTERY

- Marine mattresses made of multi-layer alveolar foam with several densities (tick. 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

- Blinds and curtains :
 - Pleated fabric curtains for salon
 - Blind model pleated-shade, blackout fabric for cabin
 - Roller blind in waterproof fabric for shower and head

Available version

- 3 cabins, 3 heads, 3 showers
- 4 cabins, 4 heads, 4 showers
- 6 cabins, 6 heads, 6 showers

Salon (common to all version)



GALLEY

- Access through sliding door

On port

L-shape galley area with:

- Corian top (WARM GREY)
- Sink with integrated drainrack in the worktop
- Hot/cold mixer tap
- Bottle rack (7 bottles)
- 4-bruner stove, gas
- Gas oven
- Storage under sink :
 - 1-door furniture with shelf
 - 1 cutlery drawer
 - 2 pan-drawer
 - Washing machine 6 sets (option)
- High storage furniture

On starboard

- Corian top (WARM GREY)
- High storage furniture
- 190 L stainless steel drawer fridge
- Low storage furniture with 2 shelves behind door

CENTRAL FURNITURE

- Back : 1 storage niche + 1 bottle storage niche (6 bottles)
- Port : waste bin
- Starboard : storage behind door
- Front : top access storage, opening by flap

FORWARD AREA

- U-Shape sofa
- Diner table in Alpi Walnut (750 x 1135mm)
- Chart table on starboard

3 cabin 3 bathroom version



PORTSIDE HULL

Aft cabin

- Double bed with lateral access (2.05m x 1.60)
- 2 bedside table + shelf running along the bulkhead, inboard and outboard side
- 1 under bed drawer
- Inboard side :
 - 1 full height furniture with 1 shelf in upper part, 1 wardrobe and 1 shelf in lower part
- Outboard side :
 - 1 bookcase with 3 shelves in upper part + 1 furniture with 1 shelf behind door in lower part
- 1 opening flush deck hatch T44 above the bed
- 1 fixe hull window in PMMA with integrated opening porthole

Aft bathroom

- Corian top (CLAM SHELL)
- Integrated sink with hot/cold mixer tap
- High storage furniture with shelf behind sliding door with mirror
- Low storage furniture with shelf behind double door
- Separated shower with Plexiglas door
- Composite shower grating
- Shampoo storage integrated in the composite shower block
- Big size manual toilet
- 1 opening flush deck hatch T10

- 1 fixe hull window in bathroom and 1 fixe hull window in PMMA with integrated opening porthole in shower

Forward cabin

- Double bed with lateral access (2.05m x 1.50)
- 2 shelves running along the bulkhead, inboard and outboard side
- 1 under bed drawer
- Inboard side :
 - 1 bookcase with 3 shelves
 - 1 storage furniture with :
 - 1 full height door with wardrobe
 - 1 double door with shelves in upper part + 4 drawers in lower part
- Outboard side :
 - 1 full height door with wardrobe in upper part and 2 shelves in lower part
- 1 opening flush deck hatch T44 above the bed
- 1 opening flush deck hatch T10 in the wardrobe area
- 1 fixe hull window in PMMA with integrated opening porthole

Forward bathroom

- Corian top (CLAM SHELL)
- Integrated sink with hot/cold mixer tap
- High storage furniture with shelf behind sliding door with mirror
- Low storage furniture with shelf behind double door
- Separated shower with Plexiglas door
- Composite shower grating
- Shampoo storage integrated in the composite shower block
- Big size manual toilet
- 1 opening flush deck hatch T10
- 1 fixe hull window in bathroom and 1 fixe hull window in PMMA with integrated opening porthole in shower

STARBOARD HULL

Owner suite

Night part:

- Double bed with lateral access (2.05m x 1.60)
- 2 bedside table + shelf running along the bulkhead, inboard and outboard side
- 1 under bed drawer
- Outboard side :
 - 1 bookcase with 3 shelves in upper part + 1 furniture with 1 shelf behind door in lower part

- 1 opening flush deck hatch T44 above the bed
- 1 fixe hull window in PMMA with integrated opening porthole

Day part:

- Outboard side :
 - 1 bookcase with 3 shelves in upper part + 3 drawers in lower part
 - 1 desk with flap and 1 pouf
 - 1 sofa with dessert trolley
- Inboard side :
 - 2 storage/wardrobe areas on each side of the companionway staircase
- 2 fixe hull windows in PMMA whose one with integrated opening porthole
- 2 opening flush deck hatches T10

Owner bathroom

Bathroom part:

- Access from the cabin through wooden door
- Outboard side:
 - Corian top (Clam Shell)
 - Integrated sink with hot/cold mixer tap
 - Low furniture : 2 furniture with double door
 - 1 fixe hull window in PMMA with integrated opening porthole
- Inboard side :
 - Corian top (Clam Shell)
 - Integrated sink with hot/cold mixer tap
 - Low furniture : 2 furniture with double door
 - High storage furniture with shelf behind sliding door with mirror + 2 storage niches
 - Large storage furniture

Shower part:

- Composite shower
- Shampoo storage integrated in the composite shower block
- Composite shower grating
- 1 opening flush deck hatch T44 above the shower

Separated toilet part:

- Access from the bathroom through wooden door
- Big size manual toilet
- Outboard side : low furniture and upper mirror
- 1 opening flush deck hatch T10

4 cabin 4 bathroom version



PORTSIDE HULL

Aft cabin

- Double bed with lateral access (2.05m x 1.60)
- 2 bedside table + shelf running along the bulkhead, inboard and outboard side
- 1 under bed drawer
- Inboard side :
 - 1 full height furniture with 1 shelf in upper part, 1 wardrobe and 1 shelf in lower part
- Outboard side :
 - 1 bookcase with 3 shelves in upper part + 1 furniture with 1 shelf behind door in lower part
- 1 opening flush deck hatch T44 above the bed
- 1 fixe hull window in PMMA with integrated opening porthole

Aft bathroom

- Corian top (CLAM SHELL)
- Integrated sink with hot/cold mixer tap
- High storage furniture with shelf behind sliding door with mirror
- Low storage furniture with shelf behind double door
- Separated shower with Plexiglas door
- Composite shower grating
- Shampoo storage integrated in the composite shower block
- Big size manual toilet
- 1 opening flush deck hatch T10

- 1 fixe hull window in bathroom and 1 fixe hull window in PMMA with integrated opening porthole in shower

Forward cabin

- Double bed with lateral access (2.05m x 1.50)
- 2 shelves running along the bulkhead, inboard and outboard side
- 1 under bed drawer
- Inboard side :
 - 1 bookcase with 3 shelves
 - 1 storage furniture with :
 - 1 full height door with wardrobe
 - 1 double door with shelves in upper part + 4 drawers in lower part
- Outboard side :
 - 1 full height door with wardrobe in upper part and 2 shelves in lower part
- 1 opening flush deck hatch T44 above the bed
- 1 opening flush deck hatch T10 in the wardrobe area
- 1 fixe hull window in PMMA with integrated opening porthole

Forward bathroom

- Corian top (CLAM SHELL)
- Integrated sink with hot/cold mixer tap
- High storage furniture with shelf behind sliding door with mirror
- Low storage furniture with shelf behind double door
- Separated shower with Plexiglas door
- Composite shower grating
- Shampoo storage integrated in the composite shower block
- Big size manual toilet
- 1 opening flush deck hatch T10
- 1 fixe hull window in bathroom and 1 fixe hull window in PMMA with integrated opening porthole in shower

STARBOARD HULL

- Identical to portside hull

6 cabin 6 bathroom version



PORTSIDE HULL

Aft cabin

- Double bed with lateral access (2.05m x 1.60)
- 2 bedside table + shelf running along the bulkhead, inboard and outboard side
- 1 under bed drawer
- Inboard side :
 - 1 full height furniture with 1 shelf in upper part, 1 wardrobe and 1 shelf in lower part
- Outboard side :
 - 1 bookcase with 3 shelves in upper part + 1 furniture with 1 shelf behind door in lower part
- 1 opening flush deck hatch T44 above the bed
- 1 fixe hull window in PMMA with integrated opening porthole

Forward cabin

- Double bed with lateral access (2.05m x 1.50)
- 2 shelves running along the bulkhead, inboard and outboard side
- 1 under bed drawer
- Inboard side :
 - 1 bookcase with 3 shelves
 - 1 storage furniture with :
 - 1 full height door with wardrobe
 - 1 double door with shelves in upper part + 4 drawers in lower part

- Outboard side :
 - 1 full height door with wardrobe in upper part and 2 shelves in lower part
- 1 opening flush deck hatch T44 above the bed
- 1 opening flush deck hatch T10 in the wardrobe area
- 1 fixe hull window in PMMA with integrated opening porthole

Forward and aft bathrooms

- Access from companionway through wooden door
- Composite top with integrated sink
- High storage with mirror
- Low storage with shelves
- Integrated shower with pivoting wall
- Shampoo storage integrated in the composite shower block
- Big size manual toilet
- 1 opening flush deck hatch T10

Midship cabin

- Access from companionway through wooden door
- Double bed with lateral access convertible in single bed
- Bedside table
- Storage/wardrobe
- Storage and shelves
- Sliding opening window from salon
- Natural ventilation under the platform

Midship bathroom

- Access from companionway through wooden door
- Composite top with integrated sink
- High storage with mirror
- Low storage with shelves
- Integrated shower with pivoting wall
- Shampoo storage integrated in the composite shower block
- Big size manual toilet
- 1 opening flush deck hatch T10

STARBOARD HULL

- Identical to 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
www.cata-lagoon.com