



## Autonomous Explorer

## CNB Lagoon 400, Three Cabin Owners Version

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## Inventory and Equipment List

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## Inventory and Equipment List

### Engine and Propulsion

- › 2 x 40 HP Yanmar (each about 1.200 hours at 25.11.2015), regularly maintained more often than specified intervals
- › 2 x SD 50 saildrive, regularly maintained more often than specified intervals
- › soundproofed engine compartment
- › Fuel pre-filter, fuel filter, oli filters, sea water filter
- › Folding props (3 blades)

### Sails and Rigging (checked / approved by rigger in 02/2016)

- › 1 square top mainsail, fully battened, about 60 m<sup>2</sup> sail area (restitched 02/2016)
- › 1 furling genoa with new (02/2016) UV protection strip, about 35 m<sup>2</sup> sail area
- › North Sails Code Zero asymmetric spinnaker
- › IS Tec 145 sqm Parasailor
- › Aluminum mast (P = 15,69 m) with rail and ball bearing sliders and aluminum boom
- › 1 pair of spreaders, 2 stainless steel chain plates (mounted on the hull)
- › Genaker preparation including bowsprit and extra blocks
- › Spinnaker preparation including extra blocks and winch
- › 1 double run halyard
- › 1 genoa halyard
- › 1 mainsheet, traveler
- › 2 genoa sheet, 2 genoa tracks
- › 2 winch 46.2 STC at the helm, 1 x electric winch
- › 3 mainsheet reef lines, 1 furling genoa reef line, 1 topping lift
- › 2 winch handles with holder
- › LazyJacks and new (01/2016) LazyBag

### Deck Equipment and Anchor

- › 12 V / 1000 W electric windlass in anchor locker
- › 70 meters of 10mm galvanized steel chain
- › 25 kg Rocna anchor (galvanized steel)
- › Mooring cleat, two anchor rollers for main and secondary anchor
- › Fibreglass Catwalk with integrated anchor and chain guide
- › 8 heavy, panama canal approved cleats
- › Trampoline with knot-free nylon fabric
- › Stainless steel pulpit and wooden seat (2x)
- › Davits and manual winch
- › Stainless steel stanchions, double lifelines
- › Stainless steel handrails on coachroof
- › Deck shower (hot/cold)
- › Stainless steel swim ladder
- › Numerous fix points for lifebelt

### Cockpit and Helm

- › Control panels for two Yanmar engines
- › Magnetic compass
- › Double helm seat with cushion and cushioned backrest
- › Steering system: cable trains, rudder, tiller
- › Large cockpit table
- › U-shaped bench seat with storage
- › Lounge chair with storage
- › Fixed Bimini with 3 integrated LED lamps
- › Waterproof cockpit speakers
- › cockpit floor in teak aft
- › All around wind and rain protection for cockpit (including cover for helm, custom made)
- › All around sun shade for cockpit (alternative to rain protection, custom made)

### Water Purification, Storage and Supply

- › Desalination System (49l / hour), 12 Volt
- › 2 x 300 liter fresh water tank (total 600 liter)
- › Water heater 40 liters (engine and 220 V)
- › Fresh water system with electric pump 12 V
- › Water inlet for direct connection of marina supply (bypassing water tanks)
- › Deck wash pump (fresh and salt water)
- › Fresh and salt water foot pump at galley sink
- › 2 automatic (12 V) and 2 manual bilge pumps

### Power Generation and Distribution

- › Solar power delivered by two independent solar panel arrays (270 Wp on the roof and 520 Wp on davids)
- › 2 x land line battery charger each 40 A (80 A total)
- › 2 x Yanmar alternators mounted on diesel engines
- › 5 x AGM house-batteries (instead of standard), 12 V each 160 A = 800 A total
- › 2 x starter batteries (12V each 70 A)
- › Battery management of Mastervolt (Masterlink / BTM-III)
- › 12 V switch panel with 12 circuits, digital display for voltmeter, water, fuel level, fuses
- › 3.000 W inverter (12V to 220V), 6.000 Wolt start current support
- › 220 V power circuit with 12 outlets below deck
- › Power generator with HTL Converter (generator currently not installed)
- › Running, navigation and almost all comfort lights in LED technology

## Living Room

- › Special upholstery: Astra Beige (salon and seats)
- › 4 stools with storage facility (Astra Beige)
- › 12 V LED build in spotlights
- › 2 reading lights at the card table and in saloon area
- › Bench (storage space under the seat)
- › Wooden table (interchangeable with plastic table in the cockpit)
- › Table to bed conversion kit (custom made, Astra Beige, sleeps two)
- › 2 fans in salon
- › Heater outlet
- › Storage with 12V outlet and ventilation for extra fridge / freezer
- › Mosquito screens for opening front hatches
- › Curtains on the front windows in the saloon and cabins
- › Curtain at salon door

## Kitchen

- › Plastic worktop with 2 stainless steel sinks, various storage spaces and shelves
- › Wall cabinets in the salon
- › Gas oven (3-stove)
- › Gas oven with grill
- › Accessories for oven in stainless steel
- › 12 V electric refrigerator, 110 liters
- › Seawater and freshwater foot pump in kitchen

## Owner' Cabin

- › Slatted double bed 2.00 x 1.44 m with comfort mattresses (120 mm)
- › Working desk, shelves and book cases, two large cabinets
- › 12 V LED build in spotlights, 2 LED reading lights
- › 12V and 220V outlets close to bed and at work desk
- › Fan
- › Panorama window, hatch and two portholes
- › Curtains on window, portholes and hatch
- › Moskito screen for hatch

## Port Aft Cabin

- › Slatted double bed 2.00 x 1.44 m with comfort mattresses (120 mm)
- › Cabinet, drawers, bookshelve and storage under the bed
- › 12 V LED build in spotlights, 2 LED reading lights
- › 12V and 220V outlets close to bed
- › Fan
- › Panorama window, hatch and two portholes
- › Curtains on window, portholes and hatch
- › Moskito screen for hatch

### Port Front Cabin

- › Slatted double bed 2.06 x 1.76 m (front) with two comfort mattresses (120 mm)
- › Cabinet, drawers, bookshelve and storage under the bed
- › 12 V LED build in spotlights, 2 LED reading lights
- › 12V and 220V outlets close to bed and at work desk
- › Fan
- › Panorama window, hatch and two portholes
- › Curtains on window, portholes and hatch
- › Mosquito screen for hatch
- › Heater outlet

### Skipper Cabins (2x)

- › Special upholstery mattresses (Astra Beige)
- › Two shelves
- › 12V Light
- › Large access hatch (lockable)
- › Escape hatch as alternative escape route
- › Porthole

### Bathrooms (Crew Cabins)

- › Jabsco Silent Flush electric toilet
- › Holding tank for all bathrooms with thru-hull and deck extraction
- › Basin with hot / cold mixer tap, cupboard, mirror
- › Shower
- › 12 V LED build in spots
- › 1 deck hatch with mosquito screen

### Bathroom (Owner's Cabins)

- › Jabsco "Silent Flush" electric toilet
- › Holding tank with thru-hull and deck extraction
- › Basin with hot / cold mixer tap, three door cupboard, mirror
- › Separate shower with shower door
- › 1 deck hatch with mosquito screen
- › 12 V LED build in spots
- › 2 x 220V sockets in the owner's head (in the mirror cabinet)
- › Heater Outlet

## Navigation

- › Autopilot SmartController (remote control)
- › Fluxgate compass for autopilot
- › Digital Radar 4 KW
- › Raymarine AIS 650 transponder with external Raymarine antenna splitter
- › Sensor package RAYMARINE 2011: wind, depth, speed, GPS
- › Helm panels:
  - E120W Multi Purpose Touchscreen Display
  - 1x ST 70 Color Multi Purpose Displays
  - 1x i70 Color Multi Purpose Display
  - ST70 Color autopilot control panel
- › Indoor navigator station panels:
  - 1x ST 70 Color Multi Purpose Displays
  - Remote Control for Autopilot
- › Raymarine LifeTag system with two transmitters
- › Fishfinder mounted on port (switchable with starboard)

## Communication and Safety

- › VHF radio with DSC (Raymarine Ray 55E)
- › Additional Hand control for VHF radio at helm (Ray 218E)
- › SSB / DSC Radio (ICOM IC-802 with AT-140 automatic antenna tuner)
- › 7ft whip antenna mounted port aft (Shakespeare)
- › EBIRP with built in GPS (SafeSea E100G)
- › Iridium satellite Phone with GPS and Distress Button (Iridium Extreme 9575)
- › Cradle and external Antenna for satellite phone
- › 3 x 2 kg fire extinguishers (kitchen, escape routes)
- › 1 x fire extinguisher 6 kg
- › JonBuoy self inflating MOB system
- › Horse shoe / life belt

## Comfort and Entertainment

- › TV in living room
- › Multimedia Radio / CD / MPEG / DIVX with two speakers in living room and two in cockpit
- › Air heater Eberspächer Airtronic D5, 12 V (outlets in saloon, forward owner's cabin and forward port cabin, including splash guard for exhaust under the bridge deck)
- › Washing machine (3 kg, 220 V)
- › Various special installations such as additional reading lamp in the living room, four extra sockets, socket for mobile Fridge / freezing under sofa incl ventilation etc.

## Other

- › 6 fenders, 4 heavy duty mooring lines
- › Flag Pole
- › Radareflexor on mast
- › Custom made storage for additional 1,4cbm (1.400 liters) structured storage room below port and starbord skipper cabins
- › 6x 20L Diesel jerry cans
- › 2X 20L Gasoline jerry cans
- › Flares and smoke signal set
- › Caribe Rigid Inflatable Boat (2011)
  - 340 cm Length
  - Hypalon material (highly UV resistant)
  - Fiberglas hull
  - Aluminum oars, removable bench
- › Honda 20 hp four stroke outboard motor (2011)

## Optional Add-On Packages

### SCUBA Package

- › Baur Poseidon Edition Breathable Air Compressor  
Subaru Engine  
20 original / sealed cartridges
- › 3 x Mares Regulators (first and second stage, DIN system)
- › Mares BCD, male
- › Mares BCD, female
- › Kids BCD (up to xx kg / yy cm)
- › 4 x breathable air bottles, 10l
- › 1 x breathable air bottle, 5l

### Medical Emergency Package

- › Seadoc Sailor II Offshore Medical Emergency Kit
- › Larynx tubes (adults and children)
- › Breathing support system
- › 2x neck brace (adults and children)